

# asm.alauda.io

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## Description

ApiAttribute is the Schema for the apiattributes API

## Type

object

## Specification

Property	Type	Description
<code>apiVersion</code>	<code>string</code>	APIVersion defines the versioned schema of this representation of an object. Servers should convert recognized schemas to the latest internal value, and may reject unrecognized values. More info: <a href="https://git.k8s.io/community/contributors/devel/sig-architecture/api-conventions.md#resources">https://git.k8s.io/community/contributors/devel/sig-architecture/api-conventions.md#resources</a>
<code>kind</code>	<code>string</code>	Kind is a string value representing the REST resource this object represents. Servers may infer this from the endpoint the client submits requests to. Cannot be updated. In CamelCase. More info: <a href="https://git.k8s.io/community/contributors/devel/sig-architecture/api-conventions.md#types-kinds">https://git.k8s.io/community/contributors/devel/sig-architecture/api-conventions.md#types-kinds</a>

Property	Type	Description
<code>metadata</code>	<code>ObjectMeta</code> ↗	ObjectMeta is metadata that all persisted resources must have, which includes all objects users must create.
<code>spec</code>	<code>object</code>	ApiAttributeSpec defines the desired state of ApiAttribute
<code>status</code>	<code>object</code>	ApiAttributeStatus defines the observed state of ApiAttribute

## .spec

### Description

ApiAttributeSpec defines the desired state of ApiAttribute

### Type

`object`

Property	Type	Description
<code>exacts</code>	<code>array</code>	Exact match type.
<code>prefixs</code>	<code>array</code>	Prefix matching.
<code>regmatches</code>	<code>array</code>	Regular matching, deprecated.

## .spec.exacts

## Description

Exact match type.

## Type

array

## .spec.exacts[]

## Type

object

## Required

matchpath

method

operationid

Property	Type	Description
envoypatternpath	string	
matchpath	string	
method	string	
operationid	string	
sourcetype	string	

## .spec.prefixs

## Description

Prefix matching.

## Type

array

## .spec.prefixs[]

## Type

object

**Required**

matchpath

method

operationid

Property	Type	Description
envoypatternpath	string	
matchpath	string	
method	string	
operationid	string	
sourcetype	string	

**.spec.regmatches****Description**

Regular matching, deprecated.

**Type**

array

**.spec.regmatches[]****Type**

object

**Required**

matchpath

method

operationid

Property	Type	Description
envoypatternpath	string	

Property	Type	Description
matchpath	string	
method	string	
operationid	string	
sourcetype	string	

## .status

### Description

ApiAttributeStatus defines the observed state of ApiAttribute

### Type

object

## API Endpoints

The following API endpoints are available:

- `/apis/asm.alauda.io/v1alpha1/namespaces/{namespace}/apiattributes`
  - `DELETE` : delete collection of ApiAttribute
  - `GET` : list objects of kind ApiAttribute
  - `POST` : create a new ApiAttribute
- `/apis/asm.alauda.io/v1alpha1/namespaces/{namespace}/apiattributes/{name}`
  - `DELETE` : delete the specified ApiAttribute
  - `GET` : read the specified ApiAttribute
  - `PATCH` : partially update the specified ApiAttribute
  - `PUT` : replace the specified ApiAttribute

- `/apis/asm.alauda.io/v1alpha1/namespaces/{namespace}/apiattributes/{name}/status`
  - `GET` : read status of the specified ApiAttribute
  - `PATCH` : partially update status of the specified ApiAttribute
  - `PUT` : replace status of the specified ApiAttribute

## `/apis/asm.alauda.io/v1alpha1/namespaces/{namespace}/apiattributes`

### HTTP method

`DELETE`

### Description

delete collection of ApiAttribute

### HTTP responses

HTTP code	Response body
200 - OK	<code>Status</code> schema
401 - Unauthorized	Empty

### HTTP method

`GET`

### Description

list objects of kind ApiAttribute

### HTTP responses

HTTP code	Response body
200 - OK	<code>ApiAttributeList</code> schema
401 - Unauthorized	Empty

### HTTP method

POST

## Description

create a new ApiAttribute

## Query parameters

Parameter	Type	Description
<code>dryRun</code>	<code>string</code>	When present, indicates that modifications should not be persisted. An invalid or unrecognized <code>dryRun</code> directive will result in an error response and no further processing of the request. Valid values are: - All: all dry run stages will be processed
<code>fieldValidation</code>	<code>string</code>	<code>fieldValidation</code> instructs the server on how to handle objects in the request (POST/PUT/PATCH) containing unknown or duplicate fields. Valid values are: - Ignore: This will ignore any unknown fields that are silently dropped from the object, and will ignore all but the last duplicate field that the decoder encounters. This is the default behavior prior to v1.23. - Warn: This will send a warning via the standard warning response header for each unknown field that is dropped from the object, and for each duplicate field that is encountered. The request will still succeed if there are no other errors, and will only persist the last of any duplicate fields. This is the default in v1.23+ - Strict: This will fail the request with a <code>BadRequest</code> error if any unknown fields would be dropped from the object, or if any duplicate fields are present. The error returned from the server will contain all unknown and duplicate fields encountered.

## Body parameters

Parameter	Type	Description
<code>body</code>	<code>ApiAttribute</code> schema	<code>application/json</code> formatted

## HTTP responses

HTTP code	Response body
200 - OK	<code>ApiAttribute</code> schema
201 - Created	<code>ApiAttribute</code> schema
202 - Accepted	<code>ApiAttribute</code> schema
401 - Unauthorized	Empty

## /apis/asm.alauda.io/v1alpha1/namespaces/{namespace}/apiattributes/{name}

### HTTP method

DELETE

### Description

delete the specified ApiAttribute

### Query parameters

Parameter	Type	Description
<code>dryRun</code>	<code>string</code>	When present, indicates that modifications should not be persisted. An invalid or unrecognized dryRun directive will result in an error response and no further processing of the request. Valid values are: - All: all dry run stages will be processed

### HTTP responses

HTTP code	Response body
200 - OK	<code>Status</code> schema
202 - Accepted	<code>Status</code> schema
401 - Unauthorized	Empty

## HTTP method

GET

## Description

read the specified ApiAttribute

## HTTP responses

HTTP code	Response body
200 - OK	<code>ApiAttribute</code> schema
401 - Unauthorized	Empty

## HTTP method

PATCH

## Description

partially update the specified ApiAttribute

## Query parameters

Parameter	Type	Description
<code>dryRun</code>	<code>string</code>	When present, indicates that modifications should not be persisted. An invalid or unrecognized <code>dryRun</code> directive will result in an error response and no further processing of the request. Valid values are: - All: all dry run stages will be processed
<code>fieldValidation</code>	<code>string</code>	<code>fieldValidation</code> instructs the server on how to handle objects in the request (POST/PUT/PATCH) containing unknown or duplicate fields. Valid values are: - Ignore: This will ignore any unknown fields that are silently dropped from the object, and will ignore all but the last duplicate field that the decoder encounters. This is the default behavior prior to v1.23. - Warn: This will send a warning via the standard warning response header for each unknown field that is dropped from the object, and for each duplicate field that is encountered. The request will still succeed if there are no other errors, and will only persist the last of any duplicate fields.

Parameter	Type	Description
		This is the default in v1.23+ - Strict: This will fail the request with a BadRequest error if any unknown fields would be dropped from the object, or if any duplicate fields are present. The error returned from the server will contain all unknown and duplicate fields encountered.

## HTTP responses

HTTP code	Response body
200 - OK	<code>ApiAttribute</code> schema
401 - Unauthorized	Empty

## HTTP method

PUT

## Description

replace the specified ApiAttribute

## Query parameters

Parameter	Type	Description
<code>dryRun</code>	<code>string</code>	When present, indicates that modifications should not be persisted. An invalid or unrecognized dryRun directive will result in an error response and no further processing of the request. Valid values are: - All: all dry run stages will be processed
<code>fieldValidation</code>	<code>string</code>	fieldValidation instructs the server on how to handle objects in the request (POST/PUT/PATCH) containing unknown or duplicate fields. Valid values are: - Ignore: This will ignore any unknown fields that are silently dropped from the object, and will ignore all but the last duplicate field that the decoder encounters. This is the default behavior prior to v1.23. - Warn: This will send a warning via the standard warning response header for each unknown field that is dropped from the object,

Parameter	Type	Description
		and for each duplicate field that is encountered. The request will still succeed if there are no other errors, and will only persist the last of any duplicate fields. This is the default in v1.23+ - Strict: This will fail the request with a BadRequest error if any unknown fields would be dropped from the object, or if any duplicate fields are present. The error returned from the server will contain all unknown and duplicate fields encountered.

### Body parameters

Parameter	Type	Description
body	ApiAttribute schema	application/json formatted

### HTTP responses

HTTP code	Response body
200 - OK	ApiAttribute schema
201 - Created	ApiAttribute schema
401 - Unauthorized	Empty

## /apis/asm.alauda.io/v1alpha1/namespaces/{namespace}/apiattributes/{name}/status

### HTTP method

GET

### Description

read status of the specified ApiAttribute

### HTTP responses

HTTP code	Response body
200 - OK	<code>ApiAttribute</code> schema
401 - Unauthorized	Empty

## HTTP method

PATCH

## Description

partially update status of the specified `ApiAttribute`

## Query parameters

Parameter	Type	Description
<code>dryRun</code>	<code>string</code>	When present, indicates that modifications should not be persisted. An invalid or unrecognized <code>dryRun</code> directive will result in an error response and no further processing of the request. Valid values are: - All: all dry run stages will be processed
<code>fieldValidation</code>	<code>string</code>	<code>fieldValidation</code> instructs the server on how to handle objects in the request (POST/PUT/PATCH) containing unknown or duplicate fields. Valid values are: - Ignore: This will ignore any unknown fields that are silently dropped from the object, and will ignore all but the last duplicate field that the decoder encounters. This is the default behavior prior to v1.23. - Warn: This will send a warning via the standard warning response header for each unknown field that is dropped from the object, and for each duplicate field that is encountered. The request will still succeed if there are no other errors, and will only persist the last of any duplicate fields. This is the default in v1.23+ - Strict: This will fail the request with a <code>BadRequest</code> error if any unknown fields would be dropped from the object, or if any duplicate fields are present. The error returned from the server will contain all unknown and duplicate fields encountered.

## HTTP responses

HTTP code	Response body
200 - OK	<code>ApiAttribute</code> schema
401 - Unauthorized	Empty

## HTTP method

PUT

## Description

replace status of the specified ApiAttribute

## Query parameters

Parameter	Type	Description
<code>dryRun</code>	<code>string</code>	When present, indicates that modifications should not be persisted. An invalid or unrecognized dryRun directive will result in an error response and no further processing of the request. Valid values are: - All: all dry run stages will be processed

Parameter	Type	Description
<code>fieldValidation</code>	<code>string</code>	<p><code>fieldValidation</code> instructs the server on how to handle objects in the request (POST/PUT/PATCH) containing unknown or duplicate fields. Valid values are:</p> <ul style="list-style-type: none"> <li>- Ignore: This will ignore any unknown fields that are silently dropped from the object, and will ignore all but the last duplicate field that the decoder encounters. This is the default behavior prior to v1.23.</li> <li>- Warn: This will send a warning via the standard warning response header for each unknown field that is dropped from the object, and for each duplicate field that is encountered. The request will still succeed if there are no other errors, and will only persist the last of any duplicate fields. This is the default in v1.23+.</li> <li>- Strict: This will fail the request with a <code>BadRequest</code> error if any unknown fields would be dropped from the object, or if any duplicate fields are present. The error returned from the server will contain all unknown and duplicate fields encountered.</li> </ul>

## Body parameters

Parameter	Type	Description
<code>body</code>	<code>ApiAttribute</code> schema	<code>application/json</code> formatted

## HTTP responses

HTTP code	Response body
200 - OK	<code>ApiAttribute</code> schema
201 - Created	<code>ApiAttribute</code> schema
401 - Unauthorized	Empty

## Description

CanaryDelivery is the Schema for the Canarydeliveries API

## Type

object

## Specification

Property	Type	Description
<code>apiVersion</code>	<code>string</code>	APIVersion defines the versioned schema of this representation of an object. Servers should convert recognized schemas to the latest internal value, and may reject unrecognized values. More info: <a href="https://git.k8s.io/community/contributors/devel/sig-architecture/api-conventions.md#resources">https://git.k8s.io/community/contributors/devel/sig-architecture/api-conventions.md#resources</a>
<code>kind</code>	<code>string</code>	Kind is a string value representing the REST resource this object represents. Servers may infer this from the endpoint the client submits requests to. Cannot be updated. In CamelCase. More info: <a href="https://git.k8s.io/community/contributors/devel/sig-architecture/api-conventions.md#types-kinds">https://git.k8s.io/community/contributors/devel/sig-architecture/api-conventions.md#types-kinds</a>

Property	Type	Description
<code>metadata</code>	<code>ObjectMeta</code> ↗	ObjectMeta is metadata that all persisted resources must have, which includes all objects users must create.
<code>spec</code>	<code>object</code>	CanaryDeliverySpec defines the desired state of CanaryDelivery
<code>status</code>	<code>object</code>	CanaryDeliveryStatus defines the observed state of CanaryDelivery

## .spec

### Description

CanaryDeliverySpec defines the desired state of CanaryDelivery

### Type

`object`

### Required

`targetRef`

Property	Type	Description
<code>analysis</code>	<code>object</code>	Analysis defines the validation process of a release
<code>approvegate</code>	<code>boolean</code>	
<code>autopromote</code>	<code>boolean</code>	

Property	Type	Description
<code>autoscalerRef</code>	<code>object</code>	AutoscalerRef references an autoscaling resource
<code>delivertype</code>	<code>string</code>	
<code>failFallback</code>	<code>boolean</code>	if set true,we will rollback canary workload modify
<code>isavaliabile</code>	<code>boolean</code>	
<code>maxResponseTime</code>	<code>number</code>	the max response time,if larger than will failed,default is 500ms
<code>metrics</code>	<code>array</code>	Metric check list for this canary analysis
<code>minSuccessRate</code>	<code>number</code>	the min request success rate,if below,canary will failed,default is 95 percent
<code>promote</code>	<code>boolean</code>	
<code>rollback</code>	<code>boolean</code>	
<code>targetRef</code>	<code>object</code>	TargetRef references a target resource

## .spec.analysis

### Description

Analysis defines the validation process of a release

## Type

object

Property	Type	Description
<code>interval</code>	<code>string</code>	Schedule interval for this canary analysis
<code>iterations</code>	<code>integer</code>	Number of checks to run for A/B Testing and Blue/Green
<code>match</code>	<code>array</code>	A/B testing HTTP header match conditions
<code>maxWeight</code>	<code>integer</code>	Max traffic percentage routed to canary
<code>mirror</code>	<code>boolean</code>	Enable traffic mirroring for Blue/Green
<code>stepWeight</code>	<code>integer</code>	Incremental traffic percentage step
<code>stepWeightPromotion</code>	<code>integer</code>	Incremental traffic percentage step for promotion phase
<code>threshold</code>	<code>integer</code>	Max number of failed checks before the canary is terminated

**.spec.analysis.match**

## Description

A/B testing HTTP header match conditions

## Type

array

## .spec.analysis.match[]

## Description

HttpMatchRequest specifies a set of criterion to be met in order for the rule to be applied to the HTTP request. For example, the following restricts the rule to match only requests where the URL path starts with /ratings/v2/ and the request contains a "cookie" with value "user=jason".

```
apiVersion: networking.istio.io/v1alpha3
kind: VirtualService
metadata:
  name: ratings-route
spec:
  hosts:
  - ratings
  http:
  - match:
    - headers:
      cookie:
        regex: "^(.*?;)?(user=jason)(;.*)?"
      uri:
        prefix: "/ratings/v2/"
    route:
    - destination:
        host: ratings
```

HTTPMatchRequest CANNOT be empty.

## Type

object

Property	Type	Description
<code>authority</code>	<code>object</code>	<p>HTTP Authority values are case-sensitive and formatted as follows:</p> <ul style="list-style-type: none"> <li><code>exact: "value"</code> for exact string match</li> <li><code>prefix: "value"</code> for prefix-based match</li> <li><code>regex: "value"</code> for ECMAScript style regex-based match</li> </ul>

Property	Type	Description
<code>gateways</code>	<code>array</code>	<p>Names of gateways where the rule should be applied to. Gateway names at the top of the VirtualService (if any) are overridden. The gateway match is independent of <code>sourceLabels</code>.</p>
<code>headers</code>	<code>object</code>	<p>The header keys must be lowercase and use hyphen as the separator, e.g. <i>x-request-id</i>. Header values are case-sensitive and formatted as follows:</p> <ul style="list-style-type: none"><li>• <code>exact: "value"</code> for exact string match</li><li>• <code>prefix: "value"</code> for prefix-based match</li><li>• <code>regex: "value"</code> for ECMAScript style regex-based match <b>Note:</b> The keys <code>uri</code>, <code>scheme</code>, <code>method</code>, and <code>authority</code> will be ignored.</li></ul>
<code>method</code>	<code>object</code>	<p>HTTP Method values are case-sensitive and formatted as follows:</p> <ul style="list-style-type: none"><li>• <code>exact: "value"</code> for exact string match</li><li>• <code>prefix: "value"</code> for prefix-based match</li><li>• <code>regex: "value"</code> for ECMAScript style regex-based match</li></ul>
<code>port</code>	<code>integer</code>	<p>Specifies the ports on the host that is being addressed. Many services only expose a single port or label ports with the protocols they support, in these cases it is not required to explicitly select the port.</p>

Property	Type	Description
<code>scheme</code>	<code>object</code>	<p>URI Scheme values are case-sensitive and formatted as follows:</p> <ul style="list-style-type: none"> <li><code>exact: "value"</code> for exact string match</li> <li><code>prefix: "value"</code> for prefix-based match</li> <li><code>regex: "value"</code> for ECMAScript style regex-based match</li> </ul>
<code>sourceLabels</code>	<code>object</code>	<p>One or more labels that constrain the applicability of a rule to workloads with the given labels. If the VirtualService has a list of gateways specified at the top, it should include the reserved gateway <code>mesh</code> in order for this field to be applicable.</p>
<code>uri</code>	<code>object</code>	<p>URI to match values are case-sensitive and formatted as follows:</p> <ul style="list-style-type: none"> <li><code>exact: "value"</code> for exact string match</li> <li><code>prefix: "value"</code> for prefix-based match</li> <li><code>regex: "value"</code> for ECMAScript style regex-based match</li> </ul>

## `.spec.analysis.match[].authority`

### Description

HTTP Authority values are case-sensitive and formatted as follows: - `exact: "value"` for exact string match - `prefix: "value"` for prefix-based match - `regex: "value"` for ECMAScript style regex-based match

### Type

object

Property	Type	Description
exact	string	exact string match
prefix	string	prefix-based match
regex	string	ECMAScript style regex-based match
suffix	string	suffix-based match.

## `.spec.analysis.match[].gateways`

### Description

Names of gateways where the rule should be applied to. Gateway names at the top of the VirtualService (if any) are overridden. The gateway match is independent of sourceLabels.

### Type

array

## `.spec.analysis.match[].gateways[]`

### Type

string

## `.spec.analysis.match[].headers`

### Description

The header keys must be lowercase and use hyphen as the separator, e.g. `_x-request-id_`. Header values are case-sensitive and formatted as follows: - ``exact: "value"``` for exact string match - ``prefix: "value"``` for prefix-based match - ``regex: "value"``` for ECMAScript style regex-based match **Note:** The keys ``uri``, ``scheme``, ``method``, and ``authority`` will be ignored.

## Type

object

## `.spec.analysis.match[].method`

### Description

HTTP Method values are case-sensitive and formatted as follows: - ``exact: "value"``` for exact string match - ``prefix: "value"``` for prefix-based match - ``regex: "value"``` for ECMAScript style regex-based match

## Type

object

Property	Type	Description
<code>exact</code>	<code>string</code>	exact string match
<code>prefix</code>	<code>string</code>	prefix-based match
<code>regex</code>	<code>string</code>	ECMAScript style regex-based match
<code>suffix</code>	<code>string</code>	suffix-based match.

## `.spec.analysis.match[].scheme`

## Description

URI Scheme values are case-sensitive and formatted as follows: - `exact: "value"` for exact string match - `prefix: "value"` for prefix-based match - `regex: "value"` for ECMAScript style regex-based match

## Type

object

Property	Type	Description
exact	string	exact string match
prefix	string	prefix-based match
regex	string	ECMAScript style regex-based match
suffix	string	suffix-based match.

## `.spec.analysis.match[].sourceLabels`

### Description

One or more labels that constrain the applicability of a rule to workloads with the given labels. If the VirtualService has a list of gateways specified at the top, it should include the reserved gateway `mesh` in order for this field to be applicable.

### Type

object

## `.spec.analysis.match[].uri`

### Description

URI to match values are case-sensitive and formatted as follows: - `exact: "value"` for exact string match - `prefix: "value"` for prefix-based match - `regex: "value"` for ECMAScript style regex-based match

## Type

object

Property	Type	Description
exact	string	exact string match
prefix	string	prefix-based match
regex	string	ECMAScript style regex-based match
suffix	string	suffix-based match.

## .spec.autoscalerRef

### Description

AutoscalerRef references an autoscaling resource

### Type

object

### Required

name

Property	Type	Description
<code>apiVersion</code>	<code>string</code>	API version of the referent
<code>kind</code>	<code>string</code>	Kind of the referent
<code>name</code>	<code>string</code>	Name of the referent
<code>namespace</code>	<code>string</code>	Namespace of the referent

## `.spec.metrics`

### Description

Metric check list for this canary analysis

### Type

`array`

## `.spec.metrics[]`

### Description

CanaryMetric holds the reference to metrics used for canary analysis

### Type

`object`

### Required

`name`

Property	Type	Description
<code>interval</code>	<code>string</code>	Interval represents the windows size
<code>name</code>	<code>string</code>	Name of the metric
<code>query</code>	<code>string</code>	Prometheus query for this metric (deprecated in favor of TemplateRef)
<code>templateRef</code>	<code>object</code>	TemplateRef references a metric template object
<code>threshold</code>	<code>number</code>	Max value accepted for this metric
<code>thresholdRange</code>	<code>object</code>	Range value accepted for this metric

## `.spec.metrics[].templateRef`

### Description

TemplateRef references a metric template object

### Type

`object`

### Required

`name`

Property	Type	Description
<code>apiVersion</code>	<code>string</code>	API version of the referent
<code>kind</code>	<code>string</code>	Kind of the referent
<code>name</code>	<code>string</code>	Name of the referent
<code>namespace</code>	<code>string</code>	Namespace of the referent

## `.spec.metrics[].thresholdRange`

### Description

Range value accepted for this metric

### Type

`object`

Property	Type	Description
<code>max</code>	<code>number</code>	Maximum value
<code>min</code>	<code>number</code>	Minimum value

## `.spec.targetRef`

### Description

TargetRef references a target resource

## Type

object

## Required

name

Property	Type	Description
apiVersion	string	API version of the referent
kind	string	Kind of the referent
name	string	Name of the referent
namespace	string	Namespace of the referent

## .status

### Description

CanaryDeliveryStatus defines the observed state of CanaryDelivery

### Type

object

### Required

canaryWeight

failedChecks

iterations

lastInitErrorCount

phase

Property	Type	Description
canaryWeight	integer	

Property	Type	Description
canaryready	boolean	
conditions	array	
failedChecks	integer	
iterations	integer	
lastAppliedSpec	string	
lastInitErrorCount	integer	
lastInitErrorDesc	string	
lastPromotedSpec	string	
phase	string	CanaryPhase is a label for the condition of a canary at the current time
trackedConfigs	object	

## **.status.conditions**

### Type

array

## **.status.conditions[]**

### Description

CanaryCondition is a status condition for a Canary

### Type

object

### Required

`status``type`

Property	Type	Description
<code>lastTransitionTime</code>	<code>string</code>	LastTransitionTime of this condition
<code>lastUpdateTime</code>	<code>string</code>	LastUpdateTime of this condition
<code>message</code>	<code>string</code>	Message associated with this condition
<code>reason</code>	<code>string</code>	Reason for the current status of this condition
<code>status</code>	<code>string</code>	Status of this condition
<code>type</code>	<code>string</code>	Type of this condition

## **.status.trackedConfigs**

### Type

`object`

## **API Endpoints**

The following API endpoints are available:

- `/apis/asm.alauda.io/v1alpha1/namespaces/{namespace}/canarydeliveries`

- **DELETE** : delete collection of CanaryDelivery
- **GET** : list objects of kind CanaryDelivery
- **POST** : create a new CanaryDelivery
- `/apis/asm.alauda.io/v1alpha1/namespaces/{namespace}/canarydeliveries/{name}`
  - **DELETE** : delete the specified CanaryDelivery
  - **GET** : read the specified CanaryDelivery
  - **PATCH** : partially update the specified CanaryDelivery
  - **PUT** : replace the specified CanaryDelivery
- `/apis/asm.alauda.io/v1alpha1/namespaces/{namespace}/canarydeliveries/{name}/status`
  - **GET** : read status of the specified CanaryDelivery
  - **PATCH** : partially update status of the specified CanaryDelivery
  - **PUT** : replace status of the specified CanaryDelivery

## `/apis/asm.alauda.io/v1alpha1/namespaces/{namespace}/canarydeliveries`

### HTTP method

**DELETE**

### Description

delete collection of CanaryDelivery

### HTTP responses

HTTP code	Response body
200 - OK	<a href="#">Status</a> schema
401 - Unauthorized	Empty

### HTTP method

**GET**

## Description

list objects of kind CanaryDelivery

## HTTP responses

HTTP code	Response body
200 - OK	<code>CanaryDeliveryList</code> schema
401 - Unauthorized	Empty

## HTTP method

POST

## Description

create a new CanaryDelivery

## Query parameters

Parameter	Type	Description
<code>dryRun</code>	<code>string</code>	When present, indicates that modifications should not be persisted. An invalid or unrecognized dryRun directive will result in an error response and no further processing of the request. Valid values are: - All: all dry run stages will be processed
<code>fieldValidation</code>	<code>string</code>	fieldValidation instructs the server on how to handle objects in the request (POST/PUT/PATCH) containing unknown or duplicate fields. Valid values are: - Ignore: This will ignore any unknown fields that are silently dropped from the object, and will ignore all but the last duplicate field that the decoder encounters. This is the default behavior prior to v1.23. - Warn: This will send a warning via the standard warning response header for each unknown field that is dropped from the object, and for each duplicate field that is encountered. The request will still succeed if there are no other errors, and will only persist the last of any duplicate fields. This is the default in v1.23+ - Strict: This will fail the request with a BadRequest error if any unknown fields would be dropped from the object, or if any duplicate

Parameter	Type	Description
		fields are present. The error returned from the server will contain all unknown and duplicate fields encountered.

### Body parameters

Parameter	Type	Description
body	CanaryDelivery schema	application/json formatted

### HTTP responses

HTTP code	Response body
200 - OK	CanaryDelivery schema
201 - Created	CanaryDelivery schema
202 - Accepted	CanaryDelivery schema
401 - Unauthorized	Empty

## /apis/asm.alauda.io/v1alpha1/namespaces/{namespace}/canarydeliveries/{name}

### HTTP method

DELETE

### Description

delete the specified CanaryDelivery

### Query parameters

Parameter	Type	Description
dryRun	string	When present, indicates that modifications should not be persisted. An invalid or unrecognized dryRun directive will

Parameter	Type	Description
		result in an error response and no further processing of the request. Valid values are: - All: all dry run stages will be processed

## HTTP responses

HTTP code	Response body
200 - OK	<a href="#">Status</a> schema
202 - Accepted	<a href="#">Status</a> schema
401 - Unauthorized	Empty

## HTTP method

GET

## Description

read the specified CanaryDelivery

## HTTP responses

HTTP code	Response body
200 - OK	<a href="#">CanaryDelivery</a> schema
401 - Unauthorized	Empty

## HTTP method

PATCH

## Description

partially update the specified CanaryDelivery

## Query parameters

Parameter	Type	Description
<code>dryRun</code>	<code>string</code>	When present, indicates that modifications should not be persisted. An invalid or unrecognized <code>dryRun</code> directive will result in an error response and no further processing of the request. Valid values are: - All: all dry run stages will be processed
<code>fieldValidation</code>	<code>string</code>	<code>fieldValidation</code> instructs the server on how to handle objects in the request (POST/PUT/PATCH) containing unknown or duplicate fields. Valid values are: - Ignore: This will ignore any unknown fields that are silently dropped from the object, and will ignore all but the last duplicate field that the decoder encounters. This is the default behavior prior to v1.23. - Warn: This will send a warning via the standard warning response header for each unknown field that is dropped from the object, and for each duplicate field that is encountered. The request will still succeed if there are no other errors, and will only persist the last of any duplicate fields. This is the default in v1.23+ - Strict: This will fail the request with a <code>BadRequest</code> error if any unknown fields would be dropped from the object, or if any duplicate fields are present. The error returned from the server will contain all unknown and duplicate fields encountered.

## HTTP responses

HTTP code	Response body
200 - OK	<code>CanaryDelivery</code> schema
401 - Unauthorized	Empty

## HTTP method

`PUT`

## Description

replace the specified `CanaryDelivery`

## Query parameters

Parameter	Type	Description
<code>dryRun</code>	<code>string</code>	When present, indicates that modifications should not be persisted. An invalid or unrecognized <code>dryRun</code> directive will result in an error response and no further processing of the request. Valid values are: - All: all dry run stages will be processed
<code>fieldValidation</code>	<code>string</code>	<code>fieldValidation</code> instructs the server on how to handle objects in the request (POST/PUT/PATCH) containing unknown or duplicate fields. Valid values are: - Ignore: This will ignore any unknown fields that are silently dropped from the object, and will ignore all but the last duplicate field that the decoder encounters. This is the default behavior prior to v1.23. - Warn: This will send a warning via the standard warning response header for each unknown field that is dropped from the object, and for each duplicate field that is encountered. The request will still succeed if there are no other errors, and will only persist the last of any duplicate fields. This is the default in v1.23+ - Strict: This will fail the request with a <code>BadRequest</code> error if any unknown fields would be dropped from the object, or if any duplicate fields are present. The error returned from the server will contain all unknown and duplicate fields encountered.

## Body parameters

Parameter	Type	Description
<code>body</code>	<code>CanaryDelivery</code> schema	<code>application/json</code> formatted

## HTTP responses

HTTP code	Response body
200 - OK	<code>CanaryDelivery</code> schema

HTTP code	Response body
201 - Created	<code>CanaryDelivery</code> schema
401 - Unauthorized	Empty

## /apis/asm.alauda.io/v1alpha1/namespaces/{namespace}/canarydeliveries/{name}/status

### HTTP method

GET

### Description

read status of the specified CanaryDelivery

### HTTP responses

HTTP code	Response body
200 - OK	<code>CanaryDelivery</code> schema
401 - Unauthorized	Empty

### HTTP method

PATCH

### Description

partially update status of the specified CanaryDelivery

### Query parameters

Parameter	Type	Description
<code>dryRun</code>	<code>string</code>	When present, indicates that modifications should not be persisted. An invalid or unrecognized dryRun directive will result in an error response and no further processing of the request. Valid values are: - All: all dry run stages will be processed

Parameter	Type	Description
<code>fieldValidation</code>	<code>string</code>	<p><code>fieldValidation</code> instructs the server on how to handle objects in the request (POST/PUT/PATCH) containing unknown or duplicate fields. Valid values are:</p> <ul style="list-style-type: none"> <li>- Ignore: This will ignore any unknown fields that are silently dropped from the object, and will ignore all but the last duplicate field that the decoder encounters. This is the default behavior prior to v1.23.</li> <li>- Warn: This will send a warning via the standard warning response header for each unknown field that is dropped from the object, and for each duplicate field that is encountered. The request will still succeed if there are no other errors, and will only persist the last of any duplicate fields. This is the default in v1.23+.</li> <li>- Strict: This will fail the request with a <code>BadRequest</code> error if any unknown fields would be dropped from the object, or if any duplicate fields are present. The error returned from the server will contain all unknown and duplicate fields encountered.</li> </ul>

## HTTP responses

HTTP code	Response body
200 - OK	<code>CanaryDelivery</code> schema
401 - Unauthorized	Empty

## HTTP method

`PUT`

## Description

replace status of the specified `CanaryDelivery`

## Query parameters

Parameter	Type	Description
<code>dryRun</code>	<code>string</code>	When present, indicates that modifications should not be persisted. An invalid or unrecognized <code>dryRun</code>

Parameter	Type	Description
		directive will result in an error response and no further processing of the request. Valid values are: - All: all dry run stages will be processed
<code>fieldValidation</code>	<code>string</code>	fieldValidation instructs the server on how to handle objects in the request (POST/PUT/PATCH) containing unknown or duplicate fields. Valid values are: - Ignore: This will ignore any unknown fields that are silently dropped from the object, and will ignore all but the last duplicate field that the decoder encounters. This is the default behavior prior to v1.23. - Warn: This will send a warning via the standard warning response header for each unknown field that is dropped from the object, and for each duplicate field that is encountered. The request will still succeed if there are no other errors, and will only persist the last of any duplicate fields. This is the default in v1.23+ - Strict: This will fail the request with a BadRequest error if any unknown fields would be dropped from the object, or if any duplicate fields are present. The error returned from the server will contain all unknown and duplicate fields encountered.

## Body parameters

Parameter	Type	Description
<code>body</code>	<code>CanaryDelivery</code> schema	<code>application/json</code> formatted

## HTTP responses

HTTP code	Response body
200 - OK	<code>CanaryDelivery</code> schema
201 - Created	<code>CanaryDelivery</code> schema
401 - Unauthorized	Empty



## Description

CanaryEvent is the Schema for the CanaryEvent API

## Type

object

## Specification

Property	Type	Description
<code>apiVersion</code>	<code>string</code>	APIVersion defines the versioned schema of this representation of an object. Servers should convert recognized schemas to the latest internal value, and may reject unrecognized values. More info: <a href="https://git.k8s.io/community/contributors/devel/sig-architecture/api-conventions.md#resources">https://git.k8s.io/community/contributors/devel/sig-architecture/api-conventions.md#resources</a>
<code>kind</code>	<code>string</code>	Kind is a string value representing the REST resource this object represents. Servers may infer this from the endpoint the client submits requests to. Cannot be updated. In CamelCase. More info: <a href="https://git.k8s.io/community/contributors/devel/sig-architecture/api-conventions.md#types-kinds">https://git.k8s.io/community/contributors/devel/sig-architecture/api-conventions.md#types-kinds</a>

Property	Type	Description
<code>metadata</code>	<code>ObjectMeta</code> ↗	ObjectMeta is metadata that all persisted resources must have, which includes all objects users must create.
<code>spec</code>	<code>object</code>	CanaryDeliverySpec defines the desired state of CanaryDelivery

## .spec

### Description

CanaryDeliverySpec defines the desired state of CanaryDelivery

### Type

`object`

Property	Type	Description
<code>currentRecordId</code>	<code>integer</code>	current max record id
<code>records</code>	<code>object</code>	CanaryRecord list for canary

## .spec.records

### Description

CanaryRecord list for canary

### Type

`object`

### Required

namespace

startTime

Property	Type	Description
currentWeight	integer	
endTime	string	
canarydeploy	string	
configtracks	array	
primarydeploy	string	
events	array	
id	integer	Id for this record
name	string	
namespace	string	
startTime	string	
status	string	

## .spec.records.configtracks

### Type

array

## .spec.records.configtracks[]

### Type

object

### Required

configtype

name

Property	Type	Description
canaryyaml	string	
configtype	string	config type configmap or secret
name	string	ConfigTracks
primaryyaml	string	

## .spec.records.events

### Type

array

## .spec.records.events[]

### Description

CanaryEvent is used for events of canary

### Type

object

Property	Type	Description
eventName	string	name for the event
eventType	string	event type like canary ab bluegreen

Property	Type	Description
message	string	the message flagger report
phase	string	Phase
timestamp	string	the event generate time
weight	integer	current weight

## API Endpoints

The following API endpoints are available:

- `/apis/asm.alauda.io/v1alpha1/namespaces/{namespace}/canaryevents`
  - `DELETE` : delete collection of CanaryEvent
  - `GET` : list objects of kind CanaryEvent
  - `POST` : create a new CanaryEvent
- `/apis/asm.alauda.io/v1alpha1/namespaces/{namespace}/canaryevents/{name}`
  - `DELETE` : delete the specified CanaryEvent
  - `GET` : read the specified CanaryEvent
  - `PATCH` : partially update the specified CanaryEvent
  - `PUT` : replace the specified CanaryEvent

# /apis/asm.alauda.io/v1alpha1/namespaces/{namespace}/canaryevents

## HTTP method

DELETE

## Description

delete collection of CanaryEvent

## HTTP responses

HTTP code	Response body
200 - OK	<a href="#">Status</a> schema
401 - Unauthorized	Empty

## HTTP method

GET

## Description

list objects of kind CanaryEvent

## HTTP responses

HTTP code	Response body
200 - OK	<a href="#">CanaryEventList</a> schema
401 - Unauthorized	Empty

## HTTP method

POST

## Description

create a new CanaryEvent

## Query parameters

Parameter	Type	Description
<code>dryRun</code>	<code>string</code>	When present, indicates that modifications should not be persisted. An invalid or unrecognized <code>dryRun</code> directive will result in an error response and no further processing of the request. Valid values are: - All: all dry run stages will be processed
<code>fieldValidation</code>	<code>string</code>	<code>fieldValidation</code> instructs the server on how to handle objects in the request (POST/PUT/PATCH) containing unknown or duplicate fields. Valid values are: - Ignore: This will ignore any unknown fields that are silently dropped from the object, and will ignore all but the last duplicate field that the decoder encounters. This is the default behavior prior to v1.23. - Warn: This will send a warning via the standard warning response header for each unknown field that is dropped from the object, and for each duplicate field that is encountered. The request will still succeed if there are no other errors, and will only persist the last of any duplicate fields. This is the default in v1.23+ - Strict: This will fail the request with a <code>BadRequest</code> error if any unknown fields would be dropped from the object, or if any duplicate fields are present. The error returned from the server will contain all unknown and duplicate fields encountered.

## Body parameters

Parameter	Type	Description
<code>body</code>	<code>CanaryEvent</code> schema	<code>application/json</code> formatted

## HTTP responses

HTTP code	Response body
200 - OK	<code>CanaryEvent</code> schema
201 - Created	<code>CanaryEvent</code> schema

HTTP code	Response body
202 - Accepted	<code>CanaryEvent</code> schema
401 - Unauthorized	Empty

## /apis/asm.alauda.io/v1alpha1/namespaces/{namespace}/canaryevents/{name}

### HTTP method

DELETE

### Description

delete the specified CanaryEvent

### Query parameters

Parameter	Type	Description
<code>dryRun</code>	<code>string</code>	When present, indicates that modifications should not be persisted. An invalid or unrecognized dryRun directive will result in an error response and no further processing of the request. Valid values are: - All: all dry run stages will be processed

### HTTP responses

HTTP code	Response body
200 - OK	<code>Status</code> schema
202 - Accepted	<code>Status</code> schema
401 - Unauthorized	Empty

### HTTP method

GET

### Description

read the specified CanaryEvent

## HTTP responses

HTTP code	Response body
200 - OK	<code>CanaryEvent</code> schema
401 - Unauthorized	Empty

## HTTP method

`PATCH`

## Description

partially update the specified CanaryEvent

## Query parameters

Parameter	Type	Description
<code>dryRun</code>	<code>string</code>	When present, indicates that modifications should not be persisted. An invalid or unrecognized <code>dryRun</code> directive will result in an error response and no further processing of the request. Valid values are: - All: all dry run stages will be processed
<code>fieldValidation</code>	<code>string</code>	<code>fieldValidation</code> instructs the server on how to handle objects in the request (POST/PUT/PATCH) containing unknown or duplicate fields. Valid values are: - Ignore: This will ignore any unknown fields that are silently dropped from the object, and will ignore all but the last duplicate field that the decoder encounters. This is the default behavior prior to v1.23. - Warn: This will send a warning via the standard warning response header for each unknown field that is dropped from the object, and for each duplicate field that is encountered. The request will still succeed if there are no other errors, and will only persist the last of any duplicate fields. This is the default in v1.23+ - Strict: This will fail the request with a <code>BadRequest</code> error if any unknown fields would be dropped from the object, or if any duplicate fields are present. The error returned from the server

Parameter	Type	Description
		will contain all unknown and duplicate fields encountered.

## HTTP responses

HTTP code	Response body
200 - OK	<code>CanaryEvent</code> schema
401 - Unauthorized	Empty

## HTTP method

PUT

## Description

replace the specified `CanaryEvent`

## Query parameters

Parameter	Type	Description
<code>dryRun</code>	<code>string</code>	When present, indicates that modifications should not be persisted. An invalid or unrecognized <code>dryRun</code> directive will result in an error response and no further processing of the request. Valid values are: - All: all dry run stages will be processed
<code>fieldValidation</code>	<code>string</code>	<code>fieldValidation</code> instructs the server on how to handle objects in the request (POST/PUT/PATCH) containing unknown or duplicate fields. Valid values are: - Ignore: This will ignore any unknown fields that are silently dropped from the object, and will ignore all but the last duplicate field that the decoder encounters. This is the default behavior prior to v1.23. - Warn: This will send a warning via the standard warning response header for each unknown field that is dropped from the object, and for each duplicate field that is encountered. The request will still succeed if there are no other errors, and will only persist the last of any duplicate fields. This is the default in v1.23+ - Strict: This will fail the

Parameter	Type	Description
		request with a BadRequest error if any unknown fields would be dropped from the object, or if any duplicate fields are present. The error returned from the server will contain all unknown and duplicate fields encountered.

## Body parameters

Parameter	Type	Description
body	CanaryEvent schema	application/json formatted

## HTTP responses

HTTP code	Response body
200 - OK	CanaryEvent schema
201 - Created	CanaryEvent schema
401 - Unauthorized	Empty

## Description

CanaryTemplate is the Schema for the Canarytemplates API

## Type

object

## Specification

Property	Type	Description
<code>apiVersion</code>	<code>string</code>	APIVersion defines the versioned schema of this representation of an object. Servers should convert recognized schemas to the latest internal value, and may reject unrecognized values. More info: <a href="https://git.k8s.io/community/contributors/devel/sig-architecture/api-conventions.md#resources">https://git.k8s.io/community/contributors/devel/sig-architecture/api-conventions.md#resources</a>
<code>kind</code>	<code>string</code>	Kind is a string value representing the REST resource this object represents. Servers may infer this from the endpoint the client submits requests to. Cannot be updated. In CamelCase. More info: <a href="https://git.k8s.io/community/contributors/devel/sig-architecture/api-conventions.md#types-kinds">https://git.k8s.io/community/contributors/devel/sig-architecture/api-conventions.md#types-kinds</a>

Property	Type	Description
<code>metadata</code>	<code>ObjectMeta</code> ↗	ObjectMeta is metadata that all persisted resources must have, which includes all objects users must create.
<code>spec</code>	<code>object</code>	CanaryTemplateSpec defines the desired state of CanaryTemplate

## .spec

### Description

CanaryTemplateSpec defines the desired state of CanaryTemplate

### Type

`object`

Property	Type	Description
<code>analysis</code>	<code>object</code>	Analysis defines the validation process of a release
<code>autoscalerRef</code>	<code>object</code>	AutoscalerRef references an autoscaling resource
<code>canaryAnalysis</code>	<code>object</code>	Deprecated: replaced by Analysis
<code>failFallback</code>	<code>boolean</code>	if set true,we will rollback canary workload modify

Property	Type	Description
<code>ingressRef</code>	<code>object</code>	Reference to NGINX ingress resource
<code>maxResponseTime</code>	<code>number</code>	
<code>metricsServer</code>	<code>string</code>	MetricsServer overwrites the <code>-metrics-server</code> flag for this particular canary
<code>minSuccessRate</code>	<code>number</code>	
<code>progressDeadlineSeconds</code>	<code>integer</code>	<code>ProgressDeadlineSeconds</code> represents the maximum time in seconds for a canary deployment to make progress before it is considered to be failed
<code>service</code>	<code>object</code>	Service defines how ClusterIP services, service mesh or ingress routing objects are generated
<code>skipAnalysis</code>	<code>boolean</code>	<code>SkipAnalysis</code> promotes the canary without analysing it
<code>targetRef</code>	<code>object</code>	<code>TargetRef</code> references a target resource

## `.spec.analysis`

### Description

Analysis defines the validation process of a release

## Type

object

## Required

interval

Property	Type	Description
interval	string	Schedule interval for this canary analysis
iterations	integer	Number of checks to run for A/B Testing and Blue/Green
match	array	A/B testing HTTP header match conditions
maxWeight	integer	Max traffic percentage routed to canary
metrics	array	Metric check list for this canary analysis
mirror	boolean	Enable traffic mirroring for Blue/Green
stepWeight	integer	Incremental traffic percentage step
stepWeightPromotion	integer	Incremental traffic percentage step for promotion phase

Property	Type	Description
threshold	integer	Max number of failed checks before the canary is terminated
webhooks	array	Webhook list for this canary analysis

## .spec.analysis.match

### Description

A/B testing HTTP header match conditions

### Type

array

## .spec.analysis.match[]

### Description

HttpMatchRequest specifies a set of criterion to be met in order for the rule to be applied to the HTTP request. For example, the following restricts the rule to match only requests where the URL path starts with /ratings/v2/ and the request contains a "cookie" with value "user=jason".

```
apiVersion: networking.istio.io/v1alpha3
kind: VirtualService
metadata:
  name: ratings-route
spec:
  hosts:
  - ratings
  http:
  - match:
    - headers:
      cookie:
        regex: "^(.*?;)?(user=jason)(;.*?)"
    uri:
      prefix: "/ratings/v2/"
  route:
  - destination:
      host: ratings
```

HTTPMatchRequest CANNOT be empty.

### Type

object

Property	Type	Description
authority	object	HTTP Authority values are case-sensitive and formatted as follows:

Property	Type	Description
		<ul style="list-style-type: none"> <li><code>exact: "value"</code> for exact string match</li> <li><code>prefix: "value"</code> for prefix-based match</li> <li><code>regex: "value"</code> for ECMAScript style regex-based match</li> </ul>
<code>gateways</code>	<code>array</code>	Names of gateways where the rule should be applied to. Gateway names at the top of the VirtualService (if any) are overridden. The gateway match is independent of sourceLabels.
<code>headers</code>	<code>object</code>	<p>The header keys must be lowercase and use hyphen as the separator, e.g. <i>x-request-id</i>. Header values are case-sensitive and formatted as follows:</p> <ul style="list-style-type: none"> <li><code>exact: "value"</code> for exact string match</li> <li><code>prefix: "value"</code> for prefix-based match</li> <li><code>regex: "value"</code> for ECMAScript style regex-based match <b>Note:</b> The keys <code>uri</code>, <code>scheme</code>, <code>method</code>, and <code>authority</code> will be ignored.</li> </ul>
<code>method</code>	<code>object</code>	<p>HTTP Method values are case-sensitive and formatted as follows:</p> <ul style="list-style-type: none"> <li><code>exact: "value"</code> for exact string match</li> <li><code>prefix: "value"</code> for prefix-based match</li> <li><code>regex: "value"</code> for ECMAScript style regex-based match</li> </ul>

Property	Type	Description
<code>port</code>	<code>integer</code>	<p>Specifies the ports on the host that is being addressed.</p> <p>Many services only expose a single port or label ports with the protocols they support, in these cases it is not required to explicitly select the port.</p>
<code>scheme</code>	<code>object</code>	<p>URI Scheme values are case-sensitive and formatted as follows:</p> <ul style="list-style-type: none"><li>• <code>exact: "value"</code> for exact string match</li><li>• <code>prefix: "value"</code> for prefix-based match</li><li>• <code>regex: "value"</code> for ECMAScript style regex-based match</li></ul>
<code>sourceLabels</code>	<code>object</code>	<p>One or more labels that constrain the applicability of a rule to workloads with the given labels. If the VirtualService has a list of gateways specified at the top, it should include the reserved gateway <code>mesh</code> in order for this field to be applicable.</p>
<code>uri</code>	<code>object</code>	<p>URI to match values are case-sensitive and formatted as follows:</p> <ul style="list-style-type: none"><li>• <code>exact: "value"</code> for exact string match</li><li>• <code>prefix: "value"</code> for prefix-based match</li><li>• <code>regex: "value"</code> for ECMAScript style regex-based match</li></ul>

## `.spec.analysis.match[].authority`

### Description

HTTP Authority values are case-sensitive and formatted as follows: - ``exact: "value"``` for exact string match - ``prefix: "value"``` for prefix-based match - ``regex: "value"``` for ECMAScript style regex-based match

### Type

object

Property	Type	Description
<code>exact</code>	<code>string</code>	exact string match
<code>prefix</code>	<code>string</code>	prefix-based match
<code>regex</code>	<code>string</code>	ECMAScript style regex-based match
<code>suffix</code>	<code>string</code>	suffix-based match.

## `.spec.analysis.match[].gateways`

### Description

Names of gateways where the rule should be applied to. Gateway names at the top of the VirtualService (if any) are overridden. The gateway match is independent of sourceLabels.

### Type

array

## `.spec.analysis.match[].gateways[]`

## Type

string

## `.spec.analysis.match[].headers`

### Description

The header keys must be lowercase and use hyphen as the separator, e.g. `_x-request-id_`. Header values are case-sensitive and formatted as follows: - ``exact: "value"``` for exact string match - ``prefix: "value"``` for prefix-based match - ``regex: "value"``` for ECMAScript style regex-based match **Note:** The keys ``uri``, ``scheme``, ``method``, and ``authority`` will be ignored.

## Type

object

## `.spec.analysis.match[].method`

### Description

HTTP Method values are case-sensitive and formatted as follows: - ``exact: "value"``` for exact string match - ``prefix: "value"``` for prefix-based match - ``regex: "value"``` for ECMAScript style regex-based match

## Type

object

Property	Type	Description
<code>exact</code>	<code>string</code>	exact string match
<code>prefix</code>	<code>string</code>	prefix-based match
<code>regex</code>	<code>string</code>	ECMAScript style regex-based match

Property	Type	Description
<code>suffix</code>	<code>string</code>	suffix-based match.

## `.spec.analysis.match[].scheme`

### Description

URI Scheme values are case-sensitive and formatted as follows: - ``exact: "value"``` for exact string match - ``prefix: "value"``` for prefix-based match - ``regex: "value"``` for ECMAScript style regex-based match

### Type

`object`

Property	Type	Description
<code>exact</code>	<code>string</code>	exact string match
<code>prefix</code>	<code>string</code>	prefix-based match
<code>regex</code>	<code>string</code>	ECMAScript style regex-based match
<code>suffix</code>	<code>string</code>	suffix-based match.

## `.spec.analysis.match[].sourceLabels`

### Description

One or more labels that constrain the applicability of a rule to workloads with the given labels. If the VirtualService has a list of gateways specified at the top, it should include the reserved gateway `mesh` in order for this field to be applicable.

### Type

object

## `.spec.analysis.match[].uri`

### Description

URI to match values are case-sensitive and formatted as follows: - `exact: "value"` for exact string match - `prefix: "value"` for prefix-based match - `regex: "value"` for ECMAScript style regex-based match

### Type

object

Property	Type	Description
<code>exact</code>	<code>string</code>	exact string match
<code>prefix</code>	<code>string</code>	prefix-based match
<code>regex</code>	<code>string</code>	ECMAScript style regex-based match
<code>suffix</code>	<code>string</code>	suffix-based match.

## `.spec.analysis.metrics`

### Description

Metric check list for this canary analysis

## Type

array

## .spec.analysis.metrics[]

## Description

CanaryMetric holds the reference to metrics used for canary analysis

## Type

object

## Required

name

Property	Type	Description
interval	string	Interval represents the windows size
name	string	Name of the metric
query	string	Prometheus query for this metric (deprecated in favor of TemplateRef)
templateRef	object	TemplateRef references a metric template object
threshold	number	Max value accepted for this metric
thresholdRange	object	Range value accepted for this metric

## `.spec.analysis.metrics[].templateRef`

### Description

TemplateRef references a metric template object

### Type

object

### Required

name

Property	Type	Description
<code>apiVersion</code>	<code>string</code>	API version of the referent
<code>kind</code>	<code>string</code>	Kind of the referent
<code>name</code>	<code>string</code>	Name of the referent
<code>namespace</code>	<code>string</code>	Namespace of the referent

## `.spec.analysis.metrics[].thresholdRange`

### Description

Range value accepted for this metric

### Type

object

Property	Type	Description
max	number	Maximum value
min	number	Minimum value

## .spec.analysis.webhooks

### Description

Webhook list for this canary analysis

### Type

array

## .spec.analysis.webhooks[]

### Description

CanaryWebhook holds the reference to external checks used for canary analysis

### Type

object

### Required

name type url

Property	Type	Description
metadata	<a href="#">ObjectMeta</a>	Metadata (key-value pairs) for this webhook
name	string	Name of this webhook

Property	Type	Description
<code>timeout</code>	<code>string</code>	Request timeout for this webhook
<code>type</code>	<code>string</code>	Type of this webhook
<code>url</code>	<code>string</code>	URL address of this webhook

## **.spec.autoscalerRef**

### **Description**

AutoscalerRef references an autoscaling resource

### **Type**

`object`

### **Required**

`name`

Property	Type	Description
<code>apiVersion</code>	<code>string</code>	API version of the referent
<code>kind</code>	<code>string</code>	Kind of the referent
<code>name</code>	<code>string</code>	Name of the referent

Property	Type	Description
<code>namespace</code>	<code>string</code>	Namespace of the referent

## `.spec.canaryAnalysis`

### Description

Deprecated: replaced by Analysis

### Type

`object`

### Required

`interval`

Property	Type	Description
<code>interval</code>	<code>string</code>	Schedule interval for this canary analysis
<code>iterations</code>	<code>integer</code>	Number of checks to run for A/B Testing and Blue/Green
<code>match</code>	<code>array</code>	A/B testing HTTP header match conditions
<code>maxWeight</code>	<code>integer</code>	Max traffic percentage routed to canary
<code>metrics</code>	<code>array</code>	Metric check list for this canary analysis

Property	Type	Description
<code>mirror</code>	<code>boolean</code>	Enable traffic mirroring for Blue/Green
<code>stepWeight</code>	<code>integer</code>	Incremental traffic percentage step
<code>stepWeightPromotion</code>	<code>integer</code>	Incremental traffic percentage step for promotion phase
<code>threshold</code>	<code>integer</code>	Max number of failed checks before the canary is terminated
<code>webhooks</code>	<code>array</code>	Webhook list for this canary analysis

## `.spec.canaryAnalysis.match`

### Description

A/B testing HTTP header match conditions

### Type

`array`

## `.spec.canaryAnalysis.match[]`

### Description

HttpMatchRequest specifies a set of criterion to be met in order for the rule to be applied to the HTTP request. For example, the following restricts the rule to match only requests where the URL path starts with `/ratings/v2/` and the request contains a "cookie" with value "user=jason".  
 apiVersion: networking.istio.io/v1alpha3 kind: VirtualService metadata: name:

ratings-route spec: hosts: - ratings http: - match: - headers: cookie: regex: "(.\*?;)?(user=jason)(;.\*?)" uri: prefix: "/ratings/v2/" route: - destination: host: ratings  
 HTTPMatchRequest CANNOT be empty.

## Type

object

Property	Type	Description
authority	object	<p>HTTP Authority values are case-sensitive and formatted as follows:</p> <ul style="list-style-type: none"> <li><code>exact: "value"</code> for exact string match</li> <li><code>prefix: "value"</code> for prefix-based match</li> <li><code>regex: "value"</code> for ECMAScript style regex-based match</li> </ul>
gateways	array	<p>Names of gateways where the rule should be applied to. Gateway names at the top of the VirtualService (if any) are overridden. The gateway match is independent of sourceLabels.</p>
headers	object	<p>The header keys must be lowercase and use hyphen as the separator, e.g. <i>x-request-id</i>. Header values are case-sensitive and formatted as follows:</p> <ul style="list-style-type: none"> <li><code>exact: "value"</code> for exact string match</li> <li><code>prefix: "value"</code> for prefix-based match</li> <li><code>regex: "value"</code> for ECMAScript style regex-based match <b>Note:</b> The keys <code>uri</code>, <code>scheme</code>, <code>method</code>, and <code>authority</code> will be ignored.</li> </ul>

Property	Type	Description
<code>method</code>	<code>object</code>	<p>HTTP Method values are case-sensitive and formatted as follows:</p> <ul style="list-style-type: none"><li>• <code>exact: "value"</code> for exact string match</li><li>• <code>prefix: "value"</code> for prefix-based match</li><li>• <code>regex: "value"</code> for ECMAScript style regex-based match</li></ul>
<code>port</code>	<code>integer</code>	<p>Specifies the ports on the host that is being addressed. Many services only expose a single port or label ports with the protocols they support, in these cases it is not required to explicitly select the port.</p>
<code>scheme</code>	<code>object</code>	<p>URI Scheme values are case-sensitive and formatted as follows:</p> <ul style="list-style-type: none"><li>• <code>exact: "value"</code> for exact string match</li><li>• <code>prefix: "value"</code> for prefix-based match</li><li>• <code>regex: "value"</code> for ECMAScript style regex-based match</li></ul>
<code>sourceLabels</code>	<code>object</code>	<p>One or more labels that constrain the applicability of a rule to workloads with the given labels. If the VirtualService has a list of gateways specified at the top, it should include the reserved gateway <code>mesh</code> in order for this field to be applicable.</p>

Property	Type	Description
<code>uri</code>	<code>object</code>	<p>URI to match values are case-sensitive and formatted as follows:</p> <ul style="list-style-type: none"> <li><code>exact: "value"</code> for exact string match</li> <li><code>prefix: "value"</code> for prefix-based match</li> <li><code>regex: "value"</code> for ECMAScript style regex-based match</li> </ul>

## `.spec.canaryAnalysis.match[].authority`

### Description

HTTP Authority values are case-sensitive and formatted as follows: - `exact: "value"` for exact string match - `prefix: "value"` for prefix-based match - `regex: "value"` for ECMAScript style regex-based match

### Type

`object`

Property	Type	Description
<code>exact</code>	<code>string</code>	exact string match
<code>prefix</code>	<code>string</code>	prefix-based match
<code>regex</code>	<code>string</code>	ECMAScript style regex-based match
<code>suffix</code>	<code>string</code>	suffix-based match.

## `.spec.canaryAnalysis.match[].gateways`

### Description

Names of gateways where the rule should be applied to. Gateway names at the top of the VirtualService (if any) are overridden. The gateway match is independent of sourceLabels.

### Type

array

## `.spec.canaryAnalysis.match[].gateways[]`

### Type

string

## `.spec.canaryAnalysis.match[].headers`

### Description

The header keys must be lowercase and use hyphen as the separator, e.g. `_x-request-id_`. Header values are case-sensitive and formatted as follows: - ``exact: "value"``` for exact string match - ``prefix: "value"``` for prefix-based match - ``regex: "value"``` for ECMAScript style regex-based match **Note:** The keys ``uri``, ``scheme``, ``method``, and ``authority`` will be ignored.

### Type

object

## `.spec.canaryAnalysis.match[].method`

### Description

HTTP Method values are case-sensitive and formatted as follows: - ``exact: "value"``` for exact string match - ``prefix: "value"``` for prefix-based match - ``regex: "value"``` for ECMAScript style regex-based match

### Type

object

Property	Type	Description
<code>exact</code>	<code>string</code>	exact string match
<code>prefix</code>	<code>string</code>	prefix-based match
<code>regex</code>	<code>string</code>	ECMAScript style regex-based match
<code>suffix</code>	<code>string</code>	suffix-based match.

## `.spec.canaryAnalysis.match[].scheme`

### Description

URI Scheme values are case-sensitive and formatted as follows: - ``exact: "value"``` for exact string match - ``prefix: "value"``` for prefix-based match - ``regex: "value"``` for ECMAScript style regex-based match

### Type

`object`

Property	Type	Description
<code>exact</code>	<code>string</code>	exact string match
<code>prefix</code>	<code>string</code>	prefix-based match

Property	Type	Description
regex	string	ECMAScript style regex-based match
suffix	string	suffix-based match.

## `.spec.canaryAnalysis.match[].sourceLabels`

### Description

One or more labels that constrain the applicability of a rule to workloads with the given labels. If the VirtualService has a list of gateways specified at the top, it should include the reserved gateway `mesh` in order for this field to be applicable.

### Type

object

## `.spec.canaryAnalysis.match[].uri`

### Description

URI to match values are case-sensitive and formatted as follows: - `exact: "value"` for exact string match - `prefix: "value"` for prefix-based match - `regex: "value"` for ECMAScript style regex-based match

### Type

object

Property	Type	Description
exact	string	exact string match

Property	Type	Description
<code>prefix</code>	<code>string</code>	prefix-based match
<code>regex</code>	<code>string</code>	ECMAScript style regex-based match
<code>suffix</code>	<code>string</code>	suffix-based match.

## `.spec.canaryAnalysis.metrics`

### Description

Metric check list for this canary analysis

### Type

`array`

## `.spec.canaryAnalysis.metrics[]`

### Description

CanaryMetric holds the reference to metrics used for canary analysis

### Type

`object`

### Required

`name`

Property	Type	Description
<code>interval</code>	<code>string</code>	Interval represents the windows size

Property	Type	Description
name	string	Name of the metric
query	string	Prometheus query for this metric (deprecated in favor of TemplateRef)
templateRef	object	TemplateRef references a metric template object
threshold	number	Max value accepted for this metric
thresholdRange	object	Range value accepted for this metric

## .spec.canaryAnalysis.metrics[].templateRef

### Description

TemplateRef references a metric template object

### Type

object

### Required

name

Property	Type	Description
apiVersion	string	API version of the referent

Property	Type	Description
<code>kind</code>	<code>string</code>	Kind of the referent
<code>name</code>	<code>string</code>	Name of the referent
<code>namespace</code>	<code>string</code>	Namespace of the referent

## `.spec.canaryAnalysis.metrics[].thresholdRange`

### Description

Range value accepted for this metric

### Type

`object`

Property	Type	Description
<code>max</code>	<code>number</code>	Maximum value
<code>min</code>	<code>number</code>	Minimum value

## `.spec.canaryAnalysis.webhooks`

### Description

Webhook list for this canary analysis

### Type

`array`

## .spec.canaryAnalysis.webhooks[]

### Description

CanaryWebhook holds the reference to external checks used for canary analysis

### Type

object

### Required

name type url

Property	Type	Description
metadata	ObjectMeta ↗	Metadata (key-value pairs) for this webhook
name	string	Name of this webhook
timeout	string	Request timeout for this webhook
type	string	Type of this webhook
url	string	URL address of this webhook

## .spec.ingressRef

### Description

Reference to NGINX ingress resource

### Type

object

**Required**`name`

Property	Type	Description
<code>apiVersion</code>	<code>string</code>	API version of the referent
<code>kind</code>	<code>string</code>	Kind of the referent
<code>name</code>	<code>string</code>	Name of the referent
<code>namespace</code>	<code>string</code>	Namespace of the referent

**.spec.service****Description**

Service defines how ClusterIP services, service mesh or ingress routing objects are generated

**Type**`object`**Required**`port``portDiscovery`

Property	Type	Description
<code>backends</code>	<code>array</code>	Backends of the generated App Mesh virtual nodes

Property	Type	Description
<code>corsPolicy</code>	<code>object</code>	Cross-Origin Resource Sharing policy for the generated Istio virtual service
<code>gateways</code>	<code>array</code>	Gateways attached to the generated Istio virtual service Defaults to the internal mesh gateway
<code>headers</code>	<code>object</code>	Headers operations for the generated Istio virtual service
<code>hosts</code>	<code>array</code>	Hosts attached to the generated Istio virtual service Defaults to the service name
<code>match</code>	<code>array</code>	URI match conditions for the generated service
<code>meshName</code>	<code>string</code>	Mesh name of the generated App Mesh virtual nodes and virtual service
<code>name</code>	<code>string</code>	Name of the Kubernetes service generated by Flagger Defaults to <code>CanarySpec.TargetRef.Name</code>
<code>port</code>	<code>integer</code>	Port of the generated Kubernetes service

Property	Type	Description
<code>portDiscovery</code>	<code>boolean</code>	PortDiscovery adds all container ports to the generated Kubernetes service
<code>portName</code>	<code>string</code>	Port name of the generated Kubernetes service Defaults to http
<code>retries</code>	<code>object</code>	Retries policy for the generated virtual service
<code>rewrite</code>	<code>object</code>	Rewrite HTTP URIs for the generated service
<code>targetPort</code>	<code></code>	Target port number or name of the generated Kubernetes service Defaults to CanaryService.Port
<code>timeout</code>	<code>string</code>	Timeout of the HTTP or gRPC request
<code>trafficPolicy</code>	<code>object</code>	TrafficPolicy attached to the generated Istio destination rules

## `.spec.service.backends`

### Description

Backends of the generated App Mesh virtual nodes

### Type

`array`

## .spec.service.backends[]

### Type

string

## .spec.service.corsPolicy

### Description

Cross-Origin Resource Sharing policy for the generated Istio virtual service

### Type

object

Property	Type	Description
<code>allowCredentials</code>	<code>boolean</code>	Indicates whether the caller is allowed to send the actual request (not the preflight) using credentials. Translates to Access-Control-Allow-Credentials header.
<code>allowHeaders</code>	<code>array</code>	List of HTTP headers that can be used when requesting the resource. Serialized to Access-Control-Allow-Methods header.
<code>allowMethods</code>	<code>array</code>	List of HTTP methods allowed to access the resource. The content will be serialized into the Access-Control-Allow-Methods header.

Property	Type	Description
<code>allowOrigin</code>	<code>array</code>	The list of origins that are allowed to perform CORS requests. The content will be serialized into the Access-Control-Allow-Origin header. Wildcard * will allow all origins.
<code>exposeHeaders</code>	<code>array</code>	A white list of HTTP headers that the browsers are allowed to access. Serialized into Access-Control-Expose-Headers header.
<code>maxAge</code>	<code>string</code>	Specifies how long the the results of a preflight request can be cached. Translates to the Access-Control-Max-Age header.

## `.spec.service.corsPolicy.allowHeaders`

### Description

List of HTTP headers that can be used when requesting the resource. Serialized to Access-Control-Allow-Methods header.

### Type

`array`

## `.spec.service.corsPolicy.allowHeaders[]`

### Type

`string`

## `.spec.service.corsPolicy.allowMethods`

## Description

List of HTTP methods allowed to access the resource. The content will be serialized into the Access-Control-Allow-Methods header.

## Type

array

## `.spec.service.corsPolicy.allowMethods[]`

## Type

string

## `.spec.service.corsPolicy.allowOrigin`

## Description

The list of origins that are allowed to perform CORS requests. The content will be serialized into the Access-Control-Allow-Origin header. Wildcard \* will allow all origins.

## Type

array

## `.spec.service.corsPolicy.allowOrigin[]`

## Type

string

## `.spec.service.corsPolicy.exposeHeaders`

## Description

A white list of HTTP headers that the browsers are allowed to access. Serialized into Access-Control-Expose-Headers header.

## Type

array

## `.spec.service.corsPolicy.exposeHeaders[]`

### Type

`string`

## `.spec.service.gateways`

### Description

Gateways attached to the generated Istio virtual service Defaults to the internal mesh gateway

### Type

`array`

## `.spec.service.gateways[]`

### Type

`string`

## `.spec.service.headers`

### Description

Headers operations for the generated Istio virtual service

### Type

`object`

Property	Type	Description
<code>request</code>	<code>object</code>	Header manipulation rules to apply before forwarding a request to the destination service

Property	Type	Description
<code>response</code>	<code>object</code>	Header manipulation rules to apply before returning a response to the caller

## `.spec.service.headers.request`

### Description

Header manipulation rules to apply before forwarding a request to the destination service

### Type

`object`

Property	Type	Description
<code>add</code>	<code>object</code>	Append the given values to the headers specified by keys (will create a comma-separated list of values)
<code>remove</code>	<code>array</code>	Remove the specified headers
<code>set</code>	<code>object</code>	Overwrite the headers specified by key with the given values

## `.spec.service.headers.request.add`

### Description

Append the given values to the headers specified by keys (will create a comma-separated list of values)

### Type

`object`

## **.spec.service.headers.request.remove**

### **Description**

Remove the specified headers

### **Type**

`array`

## **.spec.service.headers.request.remove[]**

### **Type**

`string`

## **.spec.service.headers.request.set**

### **Description**

Overwrite the headers specified by key with the given values

### **Type**

`object`

## **.spec.service.headers.response**

### **Description**

Header manipulation rules to apply before returning a response to the caller

### **Type**

`object`

Property	Type	Description
add	object	Append the given values to the headers specified by keys (will create a comma-separated list of values)
remove	array	Remove the specified headers
set	object	Overwrite the headers specified by key with the given values

## **.spec.service.headers.response.add**

### **Description**

Append the given values to the headers specified by keys (will create a comma-separated list of values)

### **Type**

object

## **.spec.service.headers.response.remove**

### **Description**

Remove the specified headers

### **Type**

array

## **.spec.service.headers.response.remove[]**

### **Type**

string

## **.spec.service.headers.response.set**

### **Description**

Overwrite the headers specified by key with the given values

### **Type**

object

## **.spec.service.hosts**

### **Description**

Hosts attached to the generated Istio virtual service Defaults to the service name

### **Type**

array

## **.spec.service.hosts[]**

### **Type**

string

## **.spec.service.match**

### **Description**

URI match conditions for the generated service

### **Type**

array

## **.spec.service.match[]**

### **Description**

HttpMatchRequest specifies a set of criterion to be met in order for the rule to be applied to the HTTP request. For example, the following restricts the rule to match only requests where the URL path starts with `/ratings/v2/` and the request contains a "cookie" with value

"user=jason". apiVersion: networking.istio.io/v1alpha3 kind: VirtualService metadata: name: ratings-route spec: hosts: - ratings http: - match: - headers: cookie: regex: "^(\*?);?(user=jason);.\*)?" uri: prefix: "/ratings/v2/" route: - destination: host: ratings HTTPMatchRequest CANNOT be empty.

## Type

object

Property	Type	Description
authority	object	<p>HTTP Authority values are case-sensitive and formatted as follows:</p> <ul style="list-style-type: none"> <li><code>exact: "value"</code> for exact string match</li> <li><code>prefix: "value"</code> for prefix-based match</li> <li><code>regex: "value"</code> for ECMAScript style regex-based match</li> </ul>
gateways	array	<p>Names of gateways where the rule should be applied to. Gateway names at the top of the VirtualService (if any) are overridden. The gateway match is independent of sourceLabels.</p>
headers	object	<p>The header keys must be lowercase and use hyphen as the separator, e.g. <i>x-request-id</i>. Header values are case-sensitive and formatted as follows:</p> <ul style="list-style-type: none"> <li><code>exact: "value"</code> for exact string match</li> <li><code>prefix: "value"</code> for prefix-based match</li> <li><code>regex: "value"</code> for ECMAScript style regex-based match <b>Note:</b> The keys <code>uri</code>, <code>scheme</code>, <code>method</code>, and <code>authority</code> will be ignored.</li> </ul>

Property	Type	Description
<code>method</code>	<code>object</code>	<p>HTTP Method values are case-sensitive and formatted as follows:</p> <ul style="list-style-type: none"><li>• <code>exact: "value"</code> for exact string match</li><li>• <code>prefix: "value"</code> for prefix-based match</li><li>• <code>regex: "value"</code> for ECMAScript style regex-based match</li></ul>
<code>port</code>	<code>integer</code>	<p>Specifies the ports on the host that is being addressed. Many services only expose a single port or label ports with the protocols they support, in these cases it is not required to explicitly select the port.</p>
<code>scheme</code>	<code>object</code>	<p>URI Scheme values are case-sensitive and formatted as follows:</p> <ul style="list-style-type: none"><li>• <code>exact: "value"</code> for exact string match</li><li>• <code>prefix: "value"</code> for prefix-based match</li><li>• <code>regex: "value"</code> for ECMAScript style regex-based match</li></ul>
<code>sourceLabels</code>	<code>object</code>	<p>One or more labels that constrain the applicability of a rule to workloads with the given labels. If the VirtualService has a list of gateways specified at the top, it should include the reserved gateway <code>mesh</code> in order for this field to be applicable.</p>

Property	Type	Description
<code>uri</code>	<code>object</code>	<p>URI to match values are case-sensitive and formatted as follows:</p> <ul style="list-style-type: none"> <li><code>exact: "value"</code> for exact string match</li> <li><code>prefix: "value"</code> for prefix-based match</li> <li><code>regex: "value"</code> for ECMAScript style regex-based match</li> </ul>

## `.spec.service.match[].authority`

### Description

HTTP Authority values are case-sensitive and formatted as follows: - `exact: "value"` for exact string match - `prefix: "value"` for prefix-based match - `regex: "value"` for ECMAScript style regex-based match

### Type

`object`

Property	Type	Description
<code>exact</code>	<code>string</code>	exact string match
<code>prefix</code>	<code>string</code>	prefix-based match
<code>regex</code>	<code>string</code>	ECMAScript style regex-based match
<code>suffix</code>	<code>string</code>	suffix-based match.

## `.spec.service.match[].gateways`

### Description

Names of gateways where the rule should be applied to. Gateway names at the top of the VirtualService (if any) are overridden. The gateway match is independent of sourceLabels.

### Type

array

## `.spec.service.match[].gateways[]`

### Type

string

## `.spec.service.match[].headers`

### Description

The header keys must be lowercase and use hyphen as the separator, e.g. `_x-request-id_`. Header values are case-sensitive and formatted as follows: - ``exact: "value"``` for exact string match - ``prefix: "value"``` for prefix-based match - ``regex: "value"``` for ECMAScript style regex-based match **Note:** The keys ``uri``, ``scheme``, ``method``, and ``authority`` will be ignored.

### Type

object

## `.spec.service.match[].method`

### Description

HTTP Method values are case-sensitive and formatted as follows: - ``exact: "value"``` for exact string match - ``prefix: "value"``` for prefix-based match - ``regex: "value"``` for ECMAScript style regex-based match

### Type

object

Property	Type	Description
<code>exact</code>	<code>string</code>	exact string match
<code>prefix</code>	<code>string</code>	prefix-based match
<code>regex</code>	<code>string</code>	ECMAScript style regex-based match
<code>suffix</code>	<code>string</code>	suffix-based match.

## `.spec.service.match[].scheme`

### Description

URI Scheme values are case-sensitive and formatted as follows: - ``exact: "value"``` for exact string match - ``prefix: "value"``` for prefix-based match - ``regex: "value"``` for ECMAScript style regex-based match

### Type

`object`

Property	Type	Description
<code>exact</code>	<code>string</code>	exact string match
<code>prefix</code>	<code>string</code>	prefix-based match

Property	Type	Description
regex	string	ECMAScript style regex-based match
suffix	string	suffix-based match.

## `.spec.service.match[].sourceLabels`

### Description

One or more labels that constrain the applicability of a rule to workloads with the given labels. If the VirtualService has a list of gateways specified at the top, it should include the reserved gateway `mesh` in order for this field to be applicable.

### Type

object

## `.spec.service.match[].uri`

### Description

URI to match values are case-sensitive and formatted as follows: - `exact: "value"` for exact string match - `prefix: "value"` for prefix-based match - `regex: "value"` for ECMAScript style regex-based match

### Type

object

Property	Type	Description
exact	string	exact string match

Property	Type	Description
<code>prefix</code>	<code>string</code>	prefix-based match
<code>regex</code>	<code>string</code>	ECMAScript style regex-based match
<code>suffix</code>	<code>string</code>	suffix-based match.

## `.spec.service.retries`

### Description

Retries policy for the generated virtual service

### Type

`object`

Property	Type	Description
<code>attempts</code>	<code>integer</code>	REQUIRED. Number of retries for a given request. The interval between retries will be determined automatically (25ms+). Actual number of retries will be limited by the <code>httpReqTimeout</code> .
<code>perTryTimeout</code>	<code>string</code>	Timeout per retry attempt for a given request. format: 1h/1m/1s. Minimum value is <code>&gt;=1ms</code> .
<code>retryOn</code>	<code>string</code>	Specifies the conditions under which retry takes place. One or more conditions can be specified using a ',' delimited list. The supported policies can be found at <a href="https://www.envoyproxy.io/docs/envoy/latest/configuration/http/http_filters_retry_policy_filters#envoy-retry-on">https://www.envoyproxy.io/docs/envoy/latest/configuration/http/http_filters_retry_policy_filters#envoy-retry-on</a> and

Property	Type	Description
		<a href="https://www.envoyproxy.io/docs/envoy/latest/configuration/http/envoy-retry-grpc-on">https://www.envoyproxy.io/docs/envoy/latest/configuration/http/envoy-retry-grpc-on</a> ↗

## .spec.service.rewrite

### Description

Rewrite HTTP URIs for the generated service

### Type

object

Property	Type	Description
authority	string	rewrite the Authority/Host header with this value.
uri	string	rewrite the path (or the prefix) portion of the URI with this value. If the original URI was matched based on prefix, the value provided in this field will replace the corresponding matched prefix.

## .spec.service.trafficPolicy

### Description

TrafficPolicy attached to the generated Istio destination rules

### Type

object

Property	Type	Description
<code>connectionPool</code>	<code>object</code>	Settings controlling the volume of connections to an upstream service
<code>loadBalancer</code>	<code>object</code>	Settings controlling the load balancer algorithms.
<code>outlierDetection</code>	<code>object</code>	Settings controlling eviction of unhealthy hosts from the load balancing pool
<code>portLevelSettings</code>	<code>array</code>	Traffic policies specific to individual ports. Note that port level settings will override the destination-level settings. Traffic settings specified at the destination-level will not be inherited when overridden by port-level settings, i.e. default values will be applied to fields omitted in port-level traffic policies.
<code>tls</code>	<code>object</code>	TLS related settings for connections to the upstream service.

## `.spec.service.trafficPolicy.connectionPool`

### Description

Settings controlling the volume of connections to an upstream service

### Type

`object`

Property	Type	Description
http	object	HTTP connection pool settings.
tcp	object	Settings common to both HTTP and TCP upstream connections.

## .spec.service.trafficPolicy.connectionPool.http

### Description

HTTP connection pool settings.

### Type

object

Property	Type	Description
h2UpgradePolicy	string	Specify if http1.1 connection should be upgraded to http2 for the associated destination. DEFAULT - Use the global default. DO_NOT_UPGRADE - Do not upgrade the connection to http2. UPGRADE - Upgrade the connection to http2.
http1MaxPendingRequests	integer	Maximum number of pending HTTP requests to a destination. Default 2 <sup>32</sup> -1.

Property	Type	Description
<code>http2MaxRequests</code>	<code>integer</code>	Maximum number of requests to a backend. Default $2^{32}-1$ .
<code>idleTimeout</code>	<code>string</code>	The idle timeout for upstream connection pool connections. The idle timeout is defined as the period in which there are no active requests. If not set, the default is 1 hour. When the idle timeout is reached the connection will be closed. Note that request based timeouts mean that HTTP/2 PINGs will not keep the connection alive. Applies to both HTTP1.1 and HTTP2 connections.
<code>maxRequestsPerConnection</code>	<code>integer</code>	Maximum number of requests per connection to a backend. Setting this parameter to 1 disables keep alive. Default 0, meaning "unlimited", up to $2^{29}$ .
<code>maxRetries</code>	<code>integer</code>	Maximum number of retries that can be outstanding to all hosts in a cluster at a given time. Defaults to $2^{32}-1$ .

## `.spec.service.trafficPolicy.connectionPool.tcp`

### Description

Settings common to both HTTP and TCP upstream connections.

### Type

`object`

Property	Type	Description
<code>connectTimeout</code>	<code>string</code>	TCP connection timeout.
<code>maxConnections</code>	<code>integer</code>	Maximum number of HTTP1 /TCP connections to a destination host.

## `.spec.service.trafficPolicy.loadBalancer`

### Description

Settings controlling the load balancer algorithms.

### Type

`object`

Property	Type	Description
<code>consistentHash</code>	<code>object</code>	Consistent Hash-based load balancing can be used to provide soft session affinity based on HTTP headers, cookies or other properties. This load balancing policy is applicable only for HTTP connections. The affinity to a particular destination host will be lost when one or more hosts are added/removed from the destination service.
<code>simple</code>	<code>string</code>	It is required to specify exactly one of the fields: Simple or ConsistentHash

## `.spec.service.trafficPolicy.loadBalancer.consistentHash`

## Description

Consistent Hash-based load balancing can be used to provide soft session affinity based on HTTP headers, cookies or other properties. This load balancing policy is applicable only for HTTP connections. The affinity to a particular destination host will be lost when one or more hosts are added/removed from the destination service.

## Type

object

Property	Type	Description
<code>httpCookie</code>	object	Hash based on HTTP cookie.
<code>httpHeaderName</code>	string	It is required to specify exactly one of the fields as hash key: HTTPHeaderName, HTTPCookie, or UseSourceIP. Hash based on a specific HTTP header.
<code>minimumRingSize</code>	integer	The minimum number of virtual nodes to use for the hash ring. Defaults to 1024. Larger ring sizes result in more granular load distributions. If the number of hosts in the load balancing pool is larger than the ring size, each host will be assigned a single virtual node.
<code>useSourceIp</code>	boolean	Hash based on the source IP address.

## `.spec.service.trafficPolicy.loadBalancer.consistentHash.httpCookie`

### Description

Hash based on HTTP cookie.

## Type

object

## Required

name

ttl

Property	Type	Description
name	string	REQUIRED. Name of the cookie.
path	string	Path to set for the cookie.
ttl	string	REQUIRED. Lifetime of the cookie.

## .spec.service.trafficPolicy.outlierDetection

### Description

Settings controlling eviction of unhealthy hosts from the load balancing pool

### Type

object

Property	Type	Description
baseEjectionTime	string	Minimum ejection duration. A host will remain ejected for a period equal to the product of minimum ejection duration and the number of times the host has been ejected. This technique allows the system to automatically increase the ejection period for unhealthy upstream servers. format:

Property	Type	Description
		1h/1m/1s/1ms. MUST BE >=1ms. Default is 30s.
<code>consecutive5xxErrors</code>	<code>integer</code>	<p>Number of 5xx errors before a host is ejected from the connection pool. When the upstream host is accessed over an opaque TCP connection, connect timeouts, connection error/failure and request failure events qualify as a 5xx error. This feature defaults to 5 but can be disabled by setting the value to 0. Note that <code>consecutive_gateway_errors</code> and <code>consecutive_5xx_errors</code> can be used separately or together. Because the errors counted by <code>consecutive_gateway_errors</code> are also included in <code>consecutive_5xx_errors</code>, if the value of <code>consecutive_gateway_errors</code> is greater than or equal to the value of <code>consecutive_5xx_errors</code>, <code>consecutive_gateway_errors</code> will have no effect.</p>
<code>consecutiveErrors</code>	<code>integer</code>	<p>Number of errors before a host is ejected from the connection pool. Defaults to 5. When the upstream host is accessed over HTTP, a 5xx return code qualifies as an error. When the upstream host is accessed over an opaque TCP connection, connect timeouts and connection error/failure events qualify as an error.</p>

Property	Type	Description
<code>consecutiveGatewayErrors</code>	<code>integer</code>	Number of gateway errors before a host is ejected from the connection pool. When the upstream host is accessed over HTTP, a 502, 503, or 504 return code qualifies as a gateway error. When the upstream host is accessed over an opaque TCP connection, connect timeouts and connection error/failure events qualify as a gateway error. This feature is disabled by default or when set to the value 0. Note that <code>consecutive_gateway_errors</code> and <code>consecutive_5xx_errors</code> can be used separately or together. Because the errors counted by <code>consecutive_gateway_errors</code> are also included in <code>consecutive_5xx_errors</code> , if the value of <code>consecutive_gateway_errors</code> is greater than or equal to the value of <code>consecutive_5xx_errors</code> , <code>consecutive_gateway_errors</code> will have no effect.
<code>interval</code>	<code>string</code>	Time interval between ejection sweep analysis. format: 1h/1m/1s/1ms. MUST BE $\geq 1$ ms. Default is 10s.
<code>maxEjectionPercent</code>	<code>integer</code>	Maximum % of hosts in the load balancing pool for the upstream service that can be ejected. Defaults to 10%.

Property	Type	Description
<code>minHealthPercent</code>	<code>integer</code>	Outlier detection will be enabled as long as the associated load balancing pool has at least <code>min_health_percent</code> hosts in healthy mode. When the percentage of healthy hosts in the load balancing pool drops below this threshold, outlier detection will be disabled and the proxy will load balance across all hosts in the pool (healthy and unhealthy). The threshold can be disabled by setting it to 0%. The default is 0% as it's not typically applicable in k8s environments with few pods per service.

## `.spec.service.trafficPolicy.portLevelSettings`

### Description

Traffic policies specific to individual ports. Note that port level settings will override the destination-level settings. Traffic settings specified at the destination-level will not be inherited when overridden by port-level settings, i.e. default values will be applied to fields omitted in port-level traffic policies.

### Type

`array`

## `.spec.service.trafficPolicy.portLevelSettings[]`

### Description

Traffic policies that apply to specific ports of the service

### Type

`object`

### Required

port

Property	Type	Description
connectionPool	object	Settings controlling the volume of connections to an upstream service
loadBalancer	object	Settings controlling the load balancer algorithms.
outlierDetection	object	Settings controlling eviction of unhealthy hosts from the load balancing pool
port	object	Specifies the port name or number of a port on the destination service on which this policy is being applied. Names must comply with DNS label syntax (rfc1035) and therefore cannot collide with numbers. If there are multiple ports on a service with the same protocol the names should be of the form -.
tls	object	TLS related settings for connections to the upstream service.

## `.spec.service.trafficPolicy.portLevelSettings[].connectionPool`

### Description

Settings controlling the volume of connections to an upstream service

### Type

object

Property	Type	Description
http	object	HTTP connection pool settings.
tcp	object	Settings common to both HTTP and TCP upstream connections.

## .spec.service.trafficPolicy.portLevelSettings[].connectionPool.http

### Description

HTTP connection pool settings.

### Type

object

Property	Type	Description
h2UpgradePolicy	string	Specify if http1.1 connection should be upgraded to http2 for the associated destination. DEFAULT - Use the global default. DO_NOT_UPGRADE - Do not upgrade the connection to http2. UPGRADE - Upgrade the connection to http2.
http1MaxPendingRequests	integer	Maximum number of pending HTTP requests to a destination. Default 2^32-1.

Property	Type	Description
<code>http2MaxRequests</code>	<code>integer</code>	Maximum number of requests to a backend. Default $2^{32}-1$ .
<code>idleTimeout</code>	<code>string</code>	The idle timeout for upstream connection pool connections. The idle timeout is defined as the period in which there are no active requests. If not set, the default is 1 hour. When the idle timeout is reached the connection will be closed. Note that request based timeouts mean that HTTP/2 PINGs will not keep the connection alive. Applies to both HTTP1.1 and HTTP2 connections.
<code>maxRequestsPerConnection</code>	<code>integer</code>	Maximum number of requests per connection to a backend. Setting this parameter to 1 disables keep alive. Default 0, meaning "unlimited", up to $2^{29}$ .
<code>maxRetries</code>	<code>integer</code>	Maximum number of retries that can be outstanding to all hosts in a cluster at a given time. Defaults to $2^{32}-1$ .

## `.spec.service.trafficPolicy.portLevelSettings[].connectionPool.tcp`

### Description

Settings common to both HTTP and TCP upstream connections.

### Type

object

Property	Type	Description
<code>connectTimeout</code>	<code>string</code>	TCP connection timeout.
<code>maxConnections</code>	<code>integer</code>	Maximum number of HTTP1 /TCP connections to a destination host.

## `.spec.service.trafficPolicy.portLevelSettings[].loadBalancer`

### Description

Settings controlling the load balancer algorithms.

### Type

object

Property	Type	Description
<code>consistentHash</code>	<code>object</code>	Consistent Hash-based load balancing can be used to provide soft session affinity based on HTTP headers, cookies or other properties. This load balancing policy is applicable only for HTTP connections. The affinity to a particular destination host will be lost when one or more hosts are added/removed from the destination service.
<code>simple</code>	<code>string</code>	It is required to specify exactly one of the fields: Simple or ConsistentHash

# .spec.service.trafficPolicy.portLevelSettings[].loadBalancer.consistentHash

## Description

Consistent Hash-based load balancing can be used to provide soft session affinity based on HTTP headers, cookies or other properties. This load balancing policy is applicable only for HTTP connections. The affinity to a particular destination host will be lost when one or more hosts are added/removed from the destination service.

## Type

object

Property	Type	Description
<code>httpCookie</code>	<code>object</code>	Hash based on HTTP cookie.
<code>httpHeaderName</code>	<code>string</code>	It is required to specify exactly one of the fields as hash key: HTTPHeaderName, HTTPCookie, or UseSourceIP. Hash based on a specific HTTP header.
<code>minimumRingSize</code>	<code>integer</code>	The minimum number of virtual nodes to use for the hash ring. Defaults to 1024. Larger ring sizes result in more granular load distributions. If the number of hosts in the load balancing pool is larger than the ring size, each host will be assigned a single virtual node.
<code>useSourceIp</code>	<code>boolean</code>	Hash based on the source IP address.

# .spec.service.trafficPolicy.portLevelSettings[].loadBalancer.consistentHash.httpCookie

## Description

Hash based on HTTP cookie.

## Type

object

## Required

name

ttl

Property	Type	Description
name	string	REQUIRED. Name of the cookie.
path	string	Path to set for the cookie.
ttl	string	REQUIRED. Lifetime of the cookie.

## .spec.service.trafficPolicy.portLevelSettings[].outlierDetection

## Description

Settings controlling eviction of unhealthy hosts from the load balancing pool

## Type

object

Property	Type	Description
baseEjectionTime	string	Minimum ejection duration. A host will remain ejected for a period equal to the product of minimum ejection duration and the number of times the host has been

Property	Type	Description
		<p>ejected. This technique allows the system to automatically increase the ejection period for unhealthy upstream servers. format: 1h/1m/1s/1ms. MUST BE &gt;=1ms. Default is 30s.</p>
<p><code>consecutive5xxErrors</code></p>	<p><code>integer</code></p>	<p>Number of 5xx errors before a host is ejected from the connection pool. When the upstream host is accessed over an opaque TCP connection, connect timeouts, connection error/failure and request failure events qualify as a 5xx error. This feature defaults to 5 but can be disabled by setting the value to 0. Note that <code>consecutive_gateway_errors</code> and <code>consecutive_5xx_errors</code> can be used separately or together. Because the errors counted by <code>consecutive_gateway_errors</code> are also included in <code>consecutive_5xx_errors</code>, if the value of <code>consecutive_gateway_errors</code> is greater than or equal to the value of <code>consecutive_5xx_errors</code>, <code>consecutive_gateway_errors</code> will have no effect.</p>
<p><code>consecutiveErrors</code></p>	<p><code>integer</code></p>	<p>Number of errors before a host is ejected from the connection pool. Defaults to 5. When the upstream host is accessed over HTTP, a 5xx return code qualifies as an error. When the upstream host is accessed over an opaque TCP connection, connect</p>

Property	Type	Description
		timeouts and connection error/failure events qualify as an error.
<code>consecutiveGatewayErrors</code>	<code>integer</code>	<p>Number of gateway errors before a host is ejected from the connection pool. When the upstream host is accessed over HTTP, a 502, 503, or 504 return code qualifies as a gateway error. When the upstream host is accessed over an opaque TCP connection, connect timeouts and connection error/failure events qualify as a gateway error. This feature is disabled by default or when set to the value 0. Note that <code>consecutive_gateway_errors</code> and <code>consecutive_5xx_errors</code> can be used separately or together. Because the errors counted by <code>consecutive_gateway_errors</code> are also included in <code>consecutive_5xx_errors</code>, if the value of <code>consecutive_gateway_errors</code> is greater than or equal to the value of <code>consecutive_5xx_errors</code>, <code>consecutive_gateway_errors</code> will have no effect.</p>
<code>interval</code>	<code>string</code>	<p>Time interval between ejection sweep analysis. format: 1h/1m/1s/1ms. MUST BE &gt;=1ms. Default is 10s.</p>
<code>maxEjectionPercent</code>	<code>integer</code>	<p>Maximum % of hosts in the load balancing pool for the upstream service that can be</p>

Property	Type	Description
		ejected. Defaults to 10%.
<code>minHealthPercent</code>	<code>integer</code>	Outlier detection will be enabled as long as the associated load balancing pool has at least <code>min_health_percent</code> hosts in healthy mode. When the percentage of healthy hosts in the load balancing pool drops below this threshold, outlier detection will be disabled and the proxy will load balance across all hosts in the pool (healthy and unhealthy). The threshold can be disabled by setting it to 0%. The default is 0% as it's not typically applicable in k8s environments with few pods per service.

## `.spec.service.trafficPolicy.portLevelSettings[].port`

### Description

Specifies the port name or number of a port on the destination service on which this policy is being applied. Names must comply with DNS label syntax (rfc1035) and therefore cannot collide with numbers. If there are multiple ports on a service with the same protocol the names should be of the form `<protocol-name>-<DNS label>`.

### Type

`object`

Property	Type	Description
<code>name</code>	<code>string</code>	Valid port name

Property	Type	Description
<code>number</code>	<code>integer</code>	Valid port number

## `.spec.service.trafficPolicy.portLevelSettings[].tls`

### Description

TLS related settings for connections to the upstream service.

### Type

`object`

### Required

`mode`

Property	Type	Description
<code>caCertificates</code>	<code>string</code>	OPTIONAL: The path to the file containing certificate authority certificates to use in verifying a presented server certificate. If omitted, the proxy will not verify the server's certificate. Should be empty if mode is <code>ISTIO_MUTUAL</code> .
<code>clientCertificate</code>	<code>string</code>	REQUIRED if mode is <code>MUTUAL</code> . The path to the file holding the client-side TLS certificate to use. Should be empty if mode is <code>ISTIO_MUTUAL</code> .
<code>mode</code>	<code>string</code>	REQUIRED: Indicates whether connections to this port should be secured using TLS. The value of this field determines how TLS is enforced.

Property	Type	Description
<code>privateKey</code>	<code>string</code>	REQUIRED if mode is <code>MUTUAL</code> . The path to the file holding the client's private key. Should be empty if mode is <code>ISTIO_MUTUAL</code> .
<code>sni</code>	<code>string</code>	SNI string to present to the server during TLS handshake. Should be empty if mode is <code>ISTIO_MUTUAL</code> .
<code>subjectAltNames</code>	<code>array</code>	A list of alternate names to verify the subject identity in the certificate. If specified, the proxy will verify that the server certificate's subject alt name matches one of the specified values. Should be empty if mode is <code>ISTIO_MUTUAL</code> .

## `.spec.service.trafficPolicy.portLevelSettings[].tls.subjectAltNames`

### Description

A list of alternate names to verify the subject identity in the certificate. If specified, the proxy will verify that the server certificate's subject alt name matches one of the specified values. Should be empty if mode is `ISTIO_MUTUAL` .

### Type

`array`

## `.spec.service.trafficPolicy.portLevelSettings[].tls.subjectAltNames[]`

## Type

string

# .spec.service.trafficPolicy.tls

## Description

TLS related settings for connections to the upstream service.

## Type

object

## Required

mode

Property	Type	Description
caCertificates	string	OPTIONAL: The path to the file containing certificate authority certificates to use in verifying a presented server certificate. If omitted, the proxy will not verify the server's certificate. Should be empty if mode is <code>ISTIO_MUTUAL</code> .
clientCertificate	string	REQUIRED if mode is <code>MUTUAL</code> . The path to the file holding the client-side TLS certificate to use. Should be empty if mode is <code>ISTIO_MUTUAL</code> .
mode	string	REQUIRED: Indicates whether connections to this port should be secured using TLS. The value of this field determines how TLS is enforced.
privateKey	string	REQUIRED if mode is <code>MUTUAL</code> . The path to the file holding the client's private key. Should be empty if

Property	Type	Description
		mode is <code>ISTIO_MUTUAL</code> .
<code>sni</code>	<code>string</code>	SNI string to present to the server during TLS handshake. Should be empty if mode is <code>ISTIO_MUTUAL</code> .
<code>subjectAltNames</code>	<code>array</code>	A list of alternate names to verify the subject identity in the certificate. If specified, the proxy will verify that the server certificate's subject alt name matches one of the specified values. Should be empty if mode is <code>ISTIO_MUTUAL</code> .

## `.spec.service.trafficPolicy.tls.subjectAltNames`

### Description

A list of alternate names to verify the subject identity in the certificate. If specified, the proxy will verify that the server certificate's subject alt name matches one of the specified values. Should be empty if mode is `ISTIO_MUTUAL` .

### Type

`array`

## `.spec.service.trafficPolicy.tls.subjectAltNames[]`

### Type

`string`

## `.spec.targetRef`

### Description

TargetRef references a target resource

## Type

object

## Required

name

Property	Type	Description
apiVersion	string	API version of the referent
kind	string	Kind of the referent
name	string	Name of the referent
namespace	string	Namespace of the referent

## API Endpoints

The following API endpoints are available:

- `/apis/asm.alauda.io/v1alpha1/namespaces/{namespace}/canarytemplates`
  - DELETE** : delete collection of CanaryTemplate
  - GET** : list objects of kind CanaryTemplate
  - POST** : create a new CanaryTemplate
- `/apis/asm.alauda.io/v1alpha1/namespaces/{namespace}/canarytemplates/{name}`
  - DELETE** : delete the specified CanaryTemplate

- `GET` : read the specified CanaryTemplate
- `PATCH` : partially update the specified CanaryTemplate
- `PUT` : replace the specified CanaryTemplate

## `/apis/asm.alauda.io/v1alpha1/namespaces/{namespace}/canarytemplates`

### HTTP method

`DELETE`

### Description

delete collection of CanaryTemplate

### HTTP responses

HTTP code	Response body
200 - OK	<code>Status</code> schema
401 - Unauthorized	Empty

### HTTP method

`GET`

### Description

list objects of kind CanaryTemplate

### HTTP responses

HTTP code	Response body
200 - OK	<code>CanaryTemplateList</code> schema
401 - Unauthorized	Empty

### HTTP method

`POST`

### Description

## create a new CanaryTemplate

## Query parameters

Parameter	Type	Description
<code>dryRun</code>	<code>string</code>	When present, indicates that modifications should not be persisted. An invalid or unrecognized dryRun directive will result in an error response and no further processing of the request. Valid values are: - All: all dry run stages will be processed
<code>fieldValidation</code>	<code>string</code>	fieldValidation instructs the server on how to handle objects in the request (POST/PUT/PATCH) containing unknown or duplicate fields. Valid values are: - Ignore: This will ignore any unknown fields that are silently dropped from the object, and will ignore all but the last duplicate field that the decoder encounters. This is the default behavior prior to v1.23. - Warn: This will send a warning via the standard warning response header for each unknown field that is dropped from the object, and for each duplicate field that is encountered. The request will still succeed if there are no other errors, and will only persist the last of any duplicate fields. This is the default in v1.23+ - Strict: This will fail the request with a BadRequest error if any unknown fields would be dropped from the object, or if any duplicate fields are present. The error returned from the server will contain all unknown and duplicate fields encountered.

## Body parameters

Parameter	Type	Description
<code>body</code>	<code>CanaryTemplate</code> schema	<code>application/json</code> formatted

## HTTP responses

HTTP code	Response body
200 - OK	<code>CanaryTemplate</code> schema
201 - Created	<code>CanaryTemplate</code> schema
202 - Accepted	<code>CanaryTemplate</code> schema
401 - Unauthorized	Empty

## /apis/asm.alauda.io/v1alpha1/namespaces/{namespace}/canarytemplates/{name}

### HTTP method

DELETE

### Description

delete the specified CanaryTemplate

### Query parameters

Parameter	Type	Description
<code>dryRun</code>	<code>string</code>	When present, indicates that modifications should not be persisted. An invalid or unrecognized dryRun directive will result in an error response and no further processing of the request. Valid values are: - All: all dry run stages will be processed

### HTTP responses

HTTP code	Response body
200 - OK	<code>Status</code> schema
202 - Accepted	<code>Status</code> schema
401 - Unauthorized	Empty

## HTTP method

GET

## Description

read the specified CanaryTemplate

## HTTP responses

HTTP code	Response body
200 - OK	<code>CanaryTemplate</code> schema
401 - Unauthorized	Empty

## HTTP method

PATCH

## Description

partially update the specified CanaryTemplate

## Query parameters

Parameter	Type	Description
<code>dryRun</code>	<code>string</code>	When present, indicates that modifications should not be persisted. An invalid or unrecognized <code>dryRun</code> directive will result in an error response and no further processing of the request. Valid values are: - All: all dry run stages will be processed
<code>fieldValidation</code>	<code>string</code>	<code>fieldValidation</code> instructs the server on how to handle objects in the request (POST/PUT/PATCH) containing unknown or duplicate fields. Valid values are: - Ignore: This will ignore any unknown fields that are silently dropped from the object, and will ignore all but the last duplicate field that the decoder encounters. This is the default behavior prior to v1.23. - Warn: This will send a warning via the standard warning response header for each unknown field that is dropped from the object, and for each duplicate field that is encountered. The request will still succeed if there are no other errors, and will only persist the last of any duplicate fields.

Parameter	Type	Description
		This is the default in v1.23+ - Strict: This will fail the request with a BadRequest error if any unknown fields would be dropped from the object, or if any duplicate fields are present. The error returned from the server will contain all unknown and duplicate fields encountered.

## HTTP responses

HTTP code	Response body
200 - OK	<code>CanaryTemplate</code> schema
401 - Unauthorized	Empty

## HTTP method

PUT

## Description

replace the specified CanaryTemplate

## Query parameters

Parameter	Type	Description
<code>dryRun</code>	<code>string</code>	When present, indicates that modifications should not be persisted. An invalid or unrecognized dryRun directive will result in an error response and no further processing of the request. Valid values are: - All: all dry run stages will be processed
<code>fieldValidation</code>	<code>string</code>	fieldValidation instructs the server on how to handle objects in the request (POST/PUT/PATCH) containing unknown or duplicate fields. Valid values are: - Ignore: This will ignore any unknown fields that are silently dropped from the object, and will ignore all but the last duplicate field that the decoder encounters. This is the default behavior prior to v1.23. - Warn: This will send a warning via the standard warning response header for each unknown field that is dropped from the object,

Parameter	Type	Description
		and for each duplicate field that is encountered. The request will still succeed if there are no other errors, and will only persist the last of any duplicate fields. This is the default in v1.23+ - Strict: This will fail the request with a BadRequest error if any unknown fields would be dropped from the object, or if any duplicate fields are present. The error returned from the server will contain all unknown and duplicate fields encountered.

## Body parameters

Parameter	Type	Description
body	CanaryTemplate schema	application/json formatted

## HTTP responses

HTTP code	Response body
200 - OK	CanaryTemplate schema
201 - Created	CanaryTemplate schema
401 - Unauthorized	Empty

## Type

object

## Specification

Property	Type	Description
<code>apiVersion</code>	<code>string</code>	<p>APIVersion defines the versioned schema of this representation of an object. Servers should convert recognized schemas to the latest internal value, and may reject unrecognized values. More info: <a href="https://git.k8s.io/community/contributors/devel/api-conventions.md#resources">https://git.k8s.io/community/contributors/devel/api-conventions.md#resources</a> ↗</p>
<code>kind</code>	<code>string</code>	<p>Kind is a string value representing the REST resource this object represents. Servers may infer this from the endpoint the client submits requests to. Cannot be updated. In CamelCase. More info: <a href="https://git.k8s.io/community/contributors/devel/api-conventions.md#types-kinds">https://git.k8s.io/community/contributors/devel/api-conventions.md#types-kinds</a> ↗</p>

Property	Type	Description
<code>metadata</code>	<code>ObjectMeta</code> ↗	ObjectMeta is metadata that all persisted resources must have, which includes all objects users must create.
<code>spec</code>	<code>object</code>	
<code>status</code>	<code>object</code>	

## .spec

### Type

`object`

Property	Type	Description
<code>interval</code>	<code>string</code>	
<code>jobLabel</code>	<code>string</code>	INSERT ADDITIONAL SPEC FIELDS - desired state of cluster Important: Run "make" to regenerate code after modifying this file
<code>monitorResults</code>	<code>object</code>	SampleLimit defines per-scrape limit on number of scraped samples that will be accepted.
<code>namespaceSelector</code>	<code>object</code>	NamespaceSelector to select which namespaces the Endpoints objects are discovered from.
<code>pingurls</code>	<code>array</code>	A list of urls allowed as part of this ServiceMonitor.

Property	Type	Description
selector	object	Selector transfers labels on the Kubernetes Pod onto the target.
crds	array	A list of crds allowed as part of this CaseMonitor.

## .spec.monitorResults

### Description

SampleLimit defines per-scrape limit on number of scraped samples that will be accepted.

### Type

object

Property	Type	Description
latestUpdated	string	
targets	array	

## .spec.monitorResults.targets

### Type

array

## .spec.monitorResults.targets[]

### Type

object

Property	Type	Description
lastErrors	array	
name	string	
running	string	
targetType	string	

## **.spec.monitorResults.targets[].lastErrors**

### Type

array

## **.spec.monitorResults.targets[].lastErrors[]**

### Type

string

## **.spec.namespaceSelector**

### Description

NamespaceSelector to select which namespaces the Endpoints objects are discovered from.

### Type

object

Property	Type	Description
matchNames	array	List of namespace names.

## `.spec.namespaceSelector.matchNames`

### Description

List of namespace names.

### Type

array

## `.spec.namespaceSelector.matchNames[]`

### Type

string

## `.spec.pingurls`

### Description

A list of urls allowed as part of this ServiceMonitor.

### Type

array

## `.spec.pingurls[]`

### Type

object

Property	Type	Description
<code>host</code>	<code>string</code>	HTTP path to scrape for metrics.
<code>interval</code>	<code>string</code>	Interval at which metrics should be scraped

Property	Type	Description
<code>name</code>	<code>string</code>	HTTP path to scrape for metrics.
<code>params</code>	<code>object</code>	Optional HTTP URL parameters
<code>path</code>	<code>string</code>	HTTP path to scrape for metrics.
<code>port</code>	<code>string</code>	Name of the service port this url refers to. Mutually exclusive with <code>targetPort</code> .
<code>scheme</code>	<code>string</code>	HTTP scheme to use for scraping.
<code>scrapeTimeout</code>	<code>string</code>	Timeout after which the scrape is ended
<code>tlsConfig</code>	<code>object</code>	TLS configuration to use when scraping the url
<code>url</code>	<code>string</code>	url for whole url
<code>customErrors</code>	<code>array</code>	List of custom errors.

## `.spec.pingurls[].params`

### Description

Optional HTTP URL parameters

### Type

object

## `.spec.pingurls[].tlsConfig`

### Description

TLS configuration to use when scraping the url

### Type

object

Property	Type	Description
<code>insecureSkipVerify</code>	boolean	Disable target certificate validation.

## `.spec.pingurls[].customErrors`

### Description

List of custom errors.

### Type

array

## `.spec.pingurls[].customErrors[]`

### Type

string

## `.spec.selector`

### Description

Selector transfers labels on the Kubernetes Pod onto the target.

## Type

object

Property	Type	Description
matchExpressions	array	matchExpressions is a list of label selector requirements. The requirements are ANDed.
matchLabels	object	matchLabels is a map of {key,value} pairs. A single {key,value} in the matchLabels map is equivalent to an element of matchExpressions, whose key field is "key", the operator is "In", and the values array contains only "value". The requirements are ANDed.

## .spec.selector.matchExpressions

### Description

matchExpressions is a list of label selector requirements. The requirements are ANDed.

### Type

array

## .spec.selector.matchExpressions[]

### Description

A label selector requirement is a selector that contains values, a key, and an operator that relates the key and values.

### Type

object

### Required

key

operator

Property	Type	Description
key	string	key is the label key that the selector applies to.
operator	string	operator represents a key's relationship to a set of values. Valid operators are In, NotIn, Exists and DoesNotExist.
values	array	values is an array of string values. If the operator is In or NotIn, the values array must be non-empty. If the operator is Exists or DoesNotExist, the values array must be empty. This array is replaced during a strategic merge patch.

## **.spec.selector.matchExpressions[].values**

### **Description**

values is an array of string values. If the operator is In or NotIn, the values array must be non-empty. If the operator is Exists or DoesNotExist, the values array must be empty. This array is replaced during a strategic merge patch.

### **Type**

array

## **.spec.selector.matchExpressions[].values[]**

### **Type**

string

## **.spec.selector.matchLabels**

### **Description**

matchLabels is a map of {key,value} pairs. A single {key,value} in the matchLabels map is equivalent to an element of matchExpressions, whose key field is "key", the operator is "In", and the values array contains only "value". The requirements are ANDed.

### Type

object

## .spec.crds

### Description

A list of crds allowed as part of this CaseMonitor.

### Type

array

## .spec.crds[]

### Type

object

### Required

name

group

kind

version

operator

Property	Type	Description
name	string	name of job.
group	string	group for apigroups GroupVersionKind.
kind	string	kind for GroupVersionKind.

Property	Type	Description
<code>version</code>	<code>string</code>	version for GroupVersionKind.
<code>crdname</code>	<code>string</code>	name of crd.
<code>namespace</code>	<code>string</code>	namespace of crd.
<code>operator</code>	<code>string</code>	operator of the crd, like Exists, HttpPing.
<code>basicAuth</code>	<code>object</code>	BasicAuth allow an http to authenticate over basic authentication
<code>url</code>	<code>string</code>	property name of url
<code>customErrors</code>	<code>array</code>	List of custom errors.

## `.spec.crd[].basicAuth`

### Description

BasicAuth allow an http to authenticate over basic authentication

### Type

`object`

Property	Type	Description
password	string	property name of password.
username	string	property name of username.

## `.spec.crds[].customErrors`

### Description

List of custom errors.

### Type

array

## `.spec.crds[].customErrors[]`

### Type

string

## `.status`

### Type

object

## API Endpoints

The following API endpoints are available:

- `/apis/asm.alauda.io/v1beta2/namespaces/{namespace}/casemonitors`
  - `DELETE` : delete collection of CaseMonitor

- **GET** : list objects of kind CaseMonitor
- **POST** : create a new CaseMonitor
- `/apis/asm.alauda.io/v1beta2/namespaces/{namespace}/casemonitors/{name}`
  - **DELETE** : delete the specified CaseMonitor
  - **GET** : read the specified CaseMonitor
  - **PATCH** : partially update the specified CaseMonitor
  - **PUT** : replace the specified CaseMonitor
- `/apis/asm.alauda.io/v1beta2/namespaces/{namespace}/casemonitors/{name}/status`
  - **GET** : read status of the specified CaseMonitor
  - **PATCH** : partially update status of the specified CaseMonitor
  - **PUT** : replace status of the specified CaseMonitor

## `/apis/asm.alauda.io/v1beta2/namespaces/{namespace}/casemonitors`

### HTTP method

**DELETE**

### Description

delete collection of CaseMonitor

### HTTP responses

HTTP code	Response body
200 - OK	<a href="#">Status</a> schema
401 - Unauthorized	Empty

### HTTP method

**GET**

### Description

list objects of kind CaseMonitor

## HTTP responses

HTTP code	Response body
200 - OK	<code>CaseMonitorList</code> schema
401 - Unauthorized	Empty

## HTTP method

POST

## Description

create a new CaseMonitor

## Query parameters

Parameter	Type	Description
<code>dryRun</code>	<code>string</code>	When present, indicates that modifications should not be persisted. An invalid or unrecognized dryRun directive will result in an error response and no further processing of the request. Valid values are: - All: all dry run stages will be processed
<code>fieldValidation</code>	<code>string</code>	fieldValidation instructs the server on how to handle objects in the request (POST/PUT/PATCH) containing unknown or duplicate fields. Valid values are: - Ignore: This will ignore any unknown fields that are silently dropped from the object, and will ignore all but the last duplicate field that the decoder encounters. This is the default behavior prior to v1.23. - Warn: This will send a warning via the standard warning response header for each unknown field that is dropped from the object, and for each duplicate field that is encountered. The request will still succeed if there are no other errors, and will only persist the last of any duplicate fields. This is the default in v1.23+ - Strict: This will fail the request with a BadRequest error if any unknown fields would be dropped from the object, or if any duplicate fields are present. The error returned from the server

Parameter	Type	Description
		will contain all unknown and duplicate fields encountered.

### Body parameters

Parameter	Type	Description
body	CaseMonitor schema	application/json formatted

### HTTP responses

HTTP code	Response body
200 - OK	CaseMonitor schema
201 - Created	CaseMonitor schema
202 - Accepted	CaseMonitor schema
401 - Unauthorized	Empty

## /apis/asm.alauda.io/v1beta2/namespaces/{namespace}/casemonitors/{name}

### HTTP method

DELETE

### Description

delete the specified CaseMonitor

### Query parameters

Parameter	Type	Description
dryRun	string	When present, indicates that modifications should not be persisted. An invalid or unrecognized dryRun directive will result in an error response and no further processing of the

Parameter	Type	Description
		request. Valid values are: - All: all dry run stages will be processed

## HTTP responses

HTTP code	Response body
200 - OK	<a href="#">Status</a> ↗ schema
202 - Accepted	<a href="#">Status</a> ↗ schema
401 - Unauthorized	Empty

## HTTP method

GET

## Description

read the specified CaseMonitor

## HTTP responses

HTTP code	Response body
200 - OK	<a href="#">CaseMonitor</a> schema
401 - Unauthorized	Empty

## HTTP method

PATCH

## Description

partially update the specified CaseMonitor

## Query parameters

Parameter	Type	Description
<a href="#">dryRun</a>	<a href="#">string</a>	When present, indicates that modifications should not be persisted. An invalid or unrecognized dryRun

Parameter	Type	Description
		directive will result in an error response and no further processing of the request. Valid values are: - All: all dry run stages will be processed
<code>fieldValidation</code>	<code>string</code>	fieldValidation instructs the server on how to handle objects in the request (POST/PUT/PATCH) containing unknown or duplicate fields. Valid values are: - Ignore: This will ignore any unknown fields that are silently dropped from the object, and will ignore all but the last duplicate field that the decoder encounters. This is the default behavior prior to v1.23. - Warn: This will send a warning via the standard warning response header for each unknown field that is dropped from the object, and for each duplicate field that is encountered. The request will still succeed if there are no other errors, and will only persist the last of any duplicate fields. This is the default in v1.23+ - Strict: This will fail the request with a BadRequest error if any unknown fields would be dropped from the object, or if any duplicate fields are present. The error returned from the server will contain all unknown and duplicate fields encountered.

## HTTP responses

HTTP code	Response body
200 - OK	<code>CaseMonitor</code> schema
401 - Unauthorized	Empty

## HTTP method

`PUT`

## Description

replace the specified CaseMonitor

## Query parameters

Parameter	Type	Description
<code>dryRun</code>	<code>string</code>	When present, indicates that modifications should not be persisted. An invalid or unrecognized <code>dryRun</code> directive will result in an error response and no further processing of the request. Valid values are: - All: all dry run stages will be processed
<code>fieldValidation</code>	<code>string</code>	<code>fieldValidation</code> instructs the server on how to handle objects in the request (POST/PUT/PATCH) containing unknown or duplicate fields. Valid values are: - Ignore: This will ignore any unknown fields that are silently dropped from the object, and will ignore all but the last duplicate field that the decoder encounters. This is the default behavior prior to v1.23. - Warn: This will send a warning via the standard warning response header for each unknown field that is dropped from the object, and for each duplicate field that is encountered. The request will still succeed if there are no other errors, and will only persist the last of any duplicate fields. This is the default in v1.23+ - Strict: This will fail the request with a <code>BadRequest</code> error if any unknown fields would be dropped from the object, or if any duplicate fields are present. The error returned from the server will contain all unknown and duplicate fields encountered.

## Body parameters

Parameter	Type	Description
<code>body</code>	<code>CaseMonitor</code> schema	<code>application/json</code> formatted

## HTTP responses

HTTP code	Response body
200 - OK	<code>CaseMonitor</code> schema
201 - Created	<code>CaseMonitor</code> schema

HTTP code	Response body
401 - Unauthorized	Empty

## /apis/asm.alauda.io/v1beta2/namespaces/{namespace}/casemonitors/{name}/status

### HTTP method

GET

### Description

read status of the specified CaseMonitor

### HTTP responses

HTTP code	Response body
200 - OK	<code>CaseMonitor</code> schema
401 - Unauthorized	Empty

### HTTP method

PATCH

### Description

partially update status of the specified CaseMonitor

### Query parameters

Parameter	Type	Description
<code>dryRun</code>	<code>string</code>	When present, indicates that modifications should not be persisted. An invalid or unrecognized dryRun directive will result in an error response and no further processing of the request. Valid values are: - All: all dry run stages will be processed
<code>fieldValidation</code>	<code>string</code>	fieldValidation instructs the server on how to handle objects in the request (POST/PUT/PATCH) containing

Parameter	Type	Description
		<p>unknown or duplicate fields. Valid values are: - Ignore: This will ignore any unknown fields that are silently dropped from the object, and will ignore all but the last duplicate field that the decoder encounters. This is the default behavior prior to v1.23. - Warn: This will send a warning via the standard warning response header for each unknown field that is dropped from the object, and for each duplicate field that is encountered. The request will still succeed if there are no other errors, and will only persist the last of any duplicate fields. This is the default in v1.23+ - Strict: This will fail the request with a BadRequest error if any unknown fields would be dropped from the object, or if any duplicate fields are present. The error returned from the server will contain all unknown and duplicate fields encountered.</p>

## HTTP responses

HTTP code	Response body
200 - OK	<code>CaseMonitor</code> schema
401 - Unauthorized	Empty

## HTTP method

PUT

## Description

replace status of the specified CaseMonitor

## Query parameters

Parameter	Type	Description
<code>dryRun</code>	<code>string</code>	When present, indicates that modifications should not be persisted. An invalid or unrecognized <code>dryRun</code> directive will result in an error response and no further processing of the request. Valid values are: - All: all dry run stages will be processed
<code>fieldValidation</code>	<code>string</code>	<code>fieldValidation</code> instructs the server on how to handle objects in the request (POST/PUT/PATCH) containing unknown or duplicate fields. Valid values are: - Ignore: This will ignore any unknown fields that are silently dropped from the object, and will ignore all but the last duplicate field that the decoder encounters. This is the default behavior prior to v1.23. - Warn: This will send a warning via the standard warning response header for each unknown field that is dropped from the object, and for each duplicate field that is encountered. The request will still succeed if there are no other errors, and will only persist the last of any duplicate fields. This is the default in v1.23+ - Strict: This will fail the request with a <code>BadRequest</code> error if any unknown fields would be dropped from the object, or if any duplicate fields are present. The error returned from the server will contain all unknown and duplicate fields encountered.

## Body parameters

Parameter	Type	Description
<code>body</code>	<code>CaseMonitor</code> schema	<code>application/json</code> formatted

## HTTP responses

HTTP code	Response body
200 - OK	<code>CaseMonitor</code> schema
201 - Created	<code>CaseMonitor</code> schema

<b>HTTP code</b>	<b>Response body</b>
401 - Unauthorized	Empty

## Description

ConnectionPool is the Schema for the connectionpools API

## Type

object

## Specification

Property	Type	Description
<code>apiVersion</code>	<code>string</code>	APIVersion defines the versioned schema of this representation of an object. Servers should convert recognized schemas to the latest internal value, and may reject unrecognized values. More info: <a href="https://git.k8s.io/community/contributors/devel/sig-architecture/api-conventions.md#resources">https://git.k8s.io/community/contributors/devel/sig-architecture/api-conventions.md#resources</a>
<code>kind</code>	<code>string</code>	Kind is a string value representing the REST resource this object represents. Servers may infer this from the endpoint the client submits requests to. Cannot be updated. In CamelCase. More info: <a href="https://git.k8s.io/community/contributors/devel/sig-architecture/api-conventions.md#types-kinds">https://git.k8s.io/community/contributors/devel/sig-architecture/api-conventions.md#types-kinds</a>

Property	Type	Description
metadata	<a href="#">ObjectMeta ↗</a>	ObjectMeta is metadata that all persisted resources must have, which includes all objects users must create.
spec	object	ConnectionPoolSpec defines the desired state of ConnectionPool
status	object	ConnectionPoolStatus defines the observed state of ConnectionPool

## .spec

### Description

ConnectionPoolSpec defines the desired state of ConnectionPool

### Type

object

Property	Type	Description
host	string	INSERT ADDITIONAL SPEC FIELDS - desired state of cluster Important: Run "make" to regenerate code after modifying this file
http	object	Settings applicable to HTTP1.1/HTTP2/GRPC connections.

Property	Type	Description
tcp	object	Settings for common to both HTTP and TCP upstream connections.

## .spec.http

### Description

Settings applicable to HTTP1.1/HTTP2/GRPC connections.

### Type

object

Property	Type	Description
httpMaxPendingRequests	integer	Maximum number of pending HTTP1 requests to a destination. Default 1024.
httpMaxRequests	integer	Maximum number of HTTP2 requests to a backend. Default 1024.
maxConnections	integer	Maximum number of HTTP1 /TCP connections to a destination host. Default $2^{32}-1$ .
maxRequestsPerConnection	integer	parameter 1 disables keep alive. Default 0, meaning "unlimited",

Property	Type	Description
<code>maxRetries</code>	<code>integer</code>	cluster at a given time. Defaults to 3.

## `.spec.tcp`

### Description

Settings for common to both HTTP and TCP upstream connections.

### Type

`object`

Property	Type	Description
<code>connectTimeout</code>	<code>string</code>	TCP connection timeout. format: 1h/1m/1s/1ms. MUST BE $\geq 1$ ms. Default is 10s.
<code>maxConnections</code>	<code>integer</code>	Maximum number of HTTP1 /TCP connections to a destination host. Default $2^{32}-1$ .
<code>tcpKeepalive</code>	<code>object</code>	If set then set <code>SO_KEEPALIVE</code> on the socket to enable TCP Keepalives.

## `.spec.tcp.tcpKeepalive`

### Description

If set then set `SO_KEEPALIVE` on the socket to enable TCP Keepalives.

### Type

`object`

Property	Type	Description
<code>interval</code>	<code>string</code>	The time duration between keep-alive probes. Default is to use the OS level configuration (unless overridden, Linux defaults to 75s.)
<code>probes</code>	<code>integer</code>	Maximum number of keepalive probes to send without response before deciding the connection is dead. Default is to use the OS level configuration (unless overridden, Linux defaults to 9.)
<code>time</code>	<code>string</code>	The time duration a connection needs to be idle before keep-alive probes start being sent. Default is to use the OS level configuration (unless overridden, Linux defaults to 7200s (ie 2 hours.)

## .status

### Description

ConnectionPoolStatus defines the observed state of ConnectionPool

### Type

`object`

## API Endpoints

The following API endpoints are available:

- `/apis/asm.alauda.io/v1alpha1/namespaces/{namespace}/connectionpools`
- `DELETE` : delete collection of ConnectionPool

- **GET** : list objects of kind ConnectionPool
- **POST** : create a new ConnectionPool
- `/apis/asm.alauda.io/v1alpha1/namespaces/{namespace}/connectionpools/{name}`
  - **DELETE** : delete the specified ConnectionPool
  - **GET** : read the specified ConnectionPool
  - **PATCH** : partially update the specified ConnectionPool
  - **PUT** : replace the specified ConnectionPool
- `/apis/asm.alauda.io/v1alpha1/namespaces/{namespace}/connectionpools/{name}/status`
  - **GET** : read status of the specified ConnectionPool
  - **PATCH** : partially update status of the specified ConnectionPool
  - **PUT** : replace status of the specified ConnectionPool

## `/apis/asm.alauda.io/v1alpha1/namespaces/{namespace}/connectionpools`

### HTTP method

**DELETE**

### Description

delete collection of ConnectionPool

### HTTP responses

HTTP code	Response body
200 - OK	<a href="#">Status</a> schema
401 - Unauthorized	Empty

### HTTP method

**GET**

### Description

list objects of kind ConnectionPool

## HTTP responses

HTTP code	Response body
200 - OK	<code>ConnectionPoolList</code> schema
401 - Unauthorized	Empty

## HTTP method

POST

## Description

create a new ConnectionPool

## Query parameters

Parameter	Type	Description
<code>dryRun</code>	<code>string</code>	When present, indicates that modifications should not be persisted. An invalid or unrecognized <code>dryRun</code> directive will result in an error response and no further processing of the request. Valid values are: - All: all dry run stages will be processed
<code>fieldValidation</code>	<code>string</code>	<code>fieldValidation</code> instructs the server on how to handle objects in the request (POST/PUT/PATCH) containing unknown or duplicate fields. Valid values are: - Ignore: This will ignore any unknown fields that are silently dropped from the object, and will ignore all but the last duplicate field that the decoder encounters. This is the default behavior prior to v1.23. - Warn: This will send a warning via the standard warning response header for each unknown field that is dropped from the object, and for each duplicate field that is encountered. The request will still succeed if there are no other errors, and will only persist the last of any duplicate fields. This is the default in v1.23+ - Strict: This will fail the request with a <code>BadRequest</code> error if any unknown fields would be dropped from the object, or if any duplicate fields are present. The error returned from the server

Parameter	Type	Description
		will contain all unknown and duplicate fields encountered.

### Body parameters

Parameter	Type	Description
body	ConnectionPool schema	application/json formatted

### HTTP responses

HTTP code	Response body
200 - OK	ConnectionPool schema
201 - Created	ConnectionPool schema
202 - Accepted	ConnectionPool schema
401 - Unauthorized	Empty

## /apis/asm.alauda.io/v1alpha1/namespaces/{namespace}/connectionpools/{name}

### HTTP method

DELETE

### Description

delete the specified ConnectionPool

### Query parameters

Parameter	Type	Description
dryRun	string	When present, indicates that modifications should not be persisted. An invalid or unrecognized dryRun directive will result in an error response and no further processing of the

Parameter	Type	Description
		request. Valid values are: - All: all dry run stages will be processed

## HTTP responses

HTTP code	Response body
200 - OK	<a href="#">Status</a> schema
202 - Accepted	<a href="#">Status</a> schema
401 - Unauthorized	Empty

## HTTP method

GET

## Description

read the specified ConnectionPool

## HTTP responses

HTTP code	Response body
200 - OK	<a href="#">ConnectionPool</a> schema
401 - Unauthorized	Empty

## HTTP method

PATCH

## Description

partially update the specified ConnectionPool

## Query parameters

Parameter	Type	Description
<a href="#">dryRun</a>	<a href="#">string</a>	When present, indicates that modifications should not be persisted. An invalid or unrecognized dryRun

Parameter	Type	Description
		directive will result in an error response and no further processing of the request. Valid values are: - All: all dry run stages will be processed
<code>fieldValidation</code>	<code>string</code>	fieldValidation instructs the server on how to handle objects in the request (POST/PUT/PATCH) containing unknown or duplicate fields. Valid values are: - Ignore: This will ignore any unknown fields that are silently dropped from the object, and will ignore all but the last duplicate field that the decoder encounters. This is the default behavior prior to v1.23. - Warn: This will send a warning via the standard warning response header for each unknown field that is dropped from the object, and for each duplicate field that is encountered. The request will still succeed if there are no other errors, and will only persist the last of any duplicate fields. This is the default in v1.23+ - Strict: This will fail the request with a BadRequest error if any unknown fields would be dropped from the object, or if any duplicate fields are present. The error returned from the server will contain all unknown and duplicate fields encountered.

## HTTP responses

HTTP code	Response body
200 - OK	<code>ConnectionPool</code> schema
401 - Unauthorized	Empty

## HTTP method

`PUT`

## Description

replace the specified ConnectionPool

## Query parameters

Parameter	Type	Description
<code>dryRun</code>	<code>string</code>	When present, indicates that modifications should not be persisted. An invalid or unrecognized <code>dryRun</code> directive will result in an error response and no further processing of the request. Valid values are: - All: all dry run stages will be processed
<code>fieldValidation</code>	<code>string</code>	<code>fieldValidation</code> instructs the server on how to handle objects in the request (POST/PUT/PATCH) containing unknown or duplicate fields. Valid values are: - Ignore: This will ignore any unknown fields that are silently dropped from the object, and will ignore all but the last duplicate field that the decoder encounters. This is the default behavior prior to v1.23. - Warn: This will send a warning via the standard warning response header for each unknown field that is dropped from the object, and for each duplicate field that is encountered. The request will still succeed if there are no other errors, and will only persist the last of any duplicate fields. This is the default in v1.23+ - Strict: This will fail the request with a <code>BadRequest</code> error if any unknown fields would be dropped from the object, or if any duplicate fields are present. The error returned from the server will contain all unknown and duplicate fields encountered.

## Body parameters

Parameter	Type	Description
<code>body</code>	<code>ConnectionPool</code> schema	<code>application/json</code> formatted

## HTTP responses

HTTP code	Response body
200 - OK	<code>ConnectionPool</code> schema
201 - Created	<code>ConnectionPool</code> schema

HTTP code	Response body
401 - Unauthorized	Empty

## /apis/asm.alauda.io/v1alpha1/namespaces/{namespace}/connectionpools/{name}/status

### HTTP method

GET

### Description

read status of the specified ConnectionPool

### HTTP responses

HTTP code	Response body
200 - OK	<code>ConnectionPool</code> schema
401 - Unauthorized	Empty

### HTTP method

PATCH

### Description

partially update status of the specified ConnectionPool

### Query parameters

Parameter	Type	Description
<code>dryRun</code>	<code>string</code>	When present, indicates that modifications should not be persisted. An invalid or unrecognized dryRun directive will result in an error response and no further processing of the request. Valid values are: - All: all dry run stages will be processed
<code>fieldValidation</code>	<code>string</code>	fieldValidation instructs the server on how to handle objects in the request (POST/PUT/PATCH) containing

Parameter	Type	Description
		<p>unknown or duplicate fields. Valid values are: - Ignore: This will ignore any unknown fields that are silently dropped from the object, and will ignore all but the last duplicate field that the decoder encounters. This is the default behavior prior to v1.23. - Warn: This will send a warning via the standard warning response header for each unknown field that is dropped from the object, and for each duplicate field that is encountered. The request will still succeed if there are no other errors, and will only persist the last of any duplicate fields. This is the default in v1.23+ - Strict: This will fail the request with a BadRequest error if any unknown fields would be dropped from the object, or if any duplicate fields are present. The error returned from the server will contain all unknown and duplicate fields encountered.</p>

## HTTP responses

HTTP code	Response body
200 - OK	<code>ConnectionPool</code> schema
401 - Unauthorized	Empty

## HTTP method

PUT

## Description

replace status of the specified ConnectionPool

## Query parameters

Parameter	Type	Description
<code>dryRun</code>	<code>string</code>	When present, indicates that modifications should not be persisted. An invalid or unrecognized <code>dryRun</code> directive will result in an error response and no further processing of the request. Valid values are: - All: all dry run stages will be processed
<code>fieldValidation</code>	<code>string</code>	<code>fieldValidation</code> instructs the server on how to handle objects in the request (POST/PUT/PATCH) containing unknown or duplicate fields. Valid values are: - Ignore: This will ignore any unknown fields that are silently dropped from the object, and will ignore all but the last duplicate field that the decoder encounters. This is the default behavior prior to v1.23. - Warn: This will send a warning via the standard warning response header for each unknown field that is dropped from the object, and for each duplicate field that is encountered. The request will still succeed if there are no other errors, and will only persist the last of any duplicate fields. This is the default in v1.23+ - Strict: This will fail the request with a <code>BadRequest</code> error if any unknown fields would be dropped from the object, or if any duplicate fields are present. The error returned from the server will contain all unknown and duplicate fields encountered.

## Body parameters

Parameter	Type	Description
<code>body</code>	<code>ConnectionPool</code> schema	<code>application/json</code> formatted

## HTTP responses

HTTP code	Response body
200 - OK	<code>ConnectionPool</code> schema
201 - Created	<code>ConnectionPool</code> schema

HTTP code	Response body
401 - Unauthorized	Empty

## Description

Domain is the Schema for the domains API

## Type

object

## Specification

Property	Type	Description
<code>apiVersion</code>	<code>string</code>	APIVersion defines the versioned schema of this representation of an object. Servers should convert recognized schemas to the latest internal value, and may reject unrecognized values. More info: <a href="https://git.k8s.io/community/contributors/devel/api-conventions.md#resources">https://git.k8s.io/community/contributors/devel/api-conventions.md#resources</a>
<code>kind</code>	<code>string</code>	Kind is a string value representing the REST resource this object represents. Servers may infer this from the endpoint the client submits requests to. Cannot be updated. In CamelCase. More info: <a href="https://git.k8s.io/community/contributors/devel/api-conventions.md#types-kinds">https://git.k8s.io/community/contributors/devel/api-conventions.md#types-kinds</a>

Property	Type	Description
<code>metadata</code>	<code>ObjectMeta</code> ↗	ObjectMeta is metadata that all persisted resources must have, which includes all objects users must create.
<code>spec</code>	<code>object</code>	
<code>status</code>	<code>object</code>	

## `.spec`

### Type

`object`

Property	Type	Description
<code>namespaces</code>	<code>array</code>	
<code>domain</code>	<code>string</code>	
<code>cluster</code>	<code>string</code>	

## `.spec.namespaces`

### Type

`array`

## `.spec.namespaces[]`

### Type

`object`

Property	Type	Description
namespace	string	

## .status

### Type

object

## API Endpoints

The following API endpoints are available:

- `/apis/asm.alauda.io/v1alpha1/namespaces/{namespace}/domains`
  - `DELETE` : delete collection of Domain
  - `GET` : list objects of kind Domain
  - `POST` : create a new Domain
- `/apis/asm.alauda.io/v1alpha1/namespaces/{namespace}/domains/{name}`
  - `DELETE` : delete the specified Domain
  - `GET` : read the specified Domain
  - `PATCH` : partially update the specified Domain
  - `PUT` : replace the specified Domain
- `/apis/asm.alauda.io/v1alpha1/namespaces/{namespace}/domains/{name}/status`
  - `GET` : read status of the specified Domain
  - `PATCH` : partially update status of the specified Domain
  - `PUT` : replace status of the specified Domain

# /apis/asm.alauda.io/v1alpha1/namespaces/{namespace}/domains

## HTTP method

DELETE

## Description

delete collection of Domain

## HTTP responses

HTTP code	Response body
200 - OK	<a href="#">Status</a> schema
401 - Unauthorized	Empty

## HTTP method

GET

## Description

list objects of kind Domain

## HTTP responses

HTTP code	Response body
200 - OK	<a href="#">DomainList</a> schema
401 - Unauthorized	Empty

## HTTP method

POST

## Description

create a new Domain

## Query parameters

Parameter	Type	Description
<code>dryRun</code>	<code>string</code>	When present, indicates that modifications should not be persisted. An invalid or unrecognized <code>dryRun</code> directive will result in an error response and no further processing of the request. Valid values are: - All: all dry run stages will be processed
<code>fieldValidation</code>	<code>string</code>	<code>fieldValidation</code> instructs the server on how to handle objects in the request (POST/PUT/PATCH) containing unknown or duplicate fields. Valid values are: - Ignore: This will ignore any unknown fields that are silently dropped from the object, and will ignore all but the last duplicate field that the decoder encounters. This is the default behavior prior to v1.23. - Warn: This will send a warning via the standard warning response header for each unknown field that is dropped from the object, and for each duplicate field that is encountered. The request will still succeed if there are no other errors, and will only persist the last of any duplicate fields. This is the default in v1.23+ - Strict: This will fail the request with a <code>BadRequest</code> error if any unknown fields would be dropped from the object, or if any duplicate fields are present. The error returned from the server will contain all unknown and duplicate fields encountered.

## Body parameters

Parameter	Type	Description
<code>body</code>	<code>Domain</code> schema	<code>application/json</code> formatted

## HTTP responses

HTTP code	Response body
200 - OK	<code>Domain</code> schema
201 - Created	<code>Domain</code> schema

HTTP code	Response body
202 - Accepted	<code>Domain</code> schema
401 - Unauthorized	Empty

## /apis/asm.alauda.io/v1alpha1/namespaces/{namespace}/domains/{name}

### HTTP method

DELETE

### Description

delete the specified Domain

### Query parameters

Parameter	Type	Description
<code>dryRun</code>	<code>string</code>	When present, indicates that modifications should not be persisted. An invalid or unrecognized dryRun directive will result in an error response and no further processing of the request. Valid values are: - All: all dry run stages will be processed

### HTTP responses

HTTP code	Response body
200 - OK	<code>Status</code> schema
202 - Accepted	<code>Status</code> schema
401 - Unauthorized	Empty

### HTTP method

GET

### Description

read the specified Domain

## HTTP responses

HTTP code	Response body
200 - OK	<code>Domain</code> schema
401 - Unauthorized	Empty

## HTTP method

`PATCH`

## Description

partially update the specified Domain

## Query parameters

Parameter	Type	Description
<code>dryRun</code>	<code>string</code>	When present, indicates that modifications should not be persisted. An invalid or unrecognized <code>dryRun</code> directive will result in an error response and no further processing of the request. Valid values are: - All: all dry run stages will be processed
<code>fieldValidation</code>	<code>string</code>	<code>fieldValidation</code> instructs the server on how to handle objects in the request (POST/PUT/PATCH) containing unknown or duplicate fields. Valid values are: - Ignore: This will ignore any unknown fields that are silently dropped from the object, and will ignore all but the last duplicate field that the decoder encounters. This is the default behavior prior to v1.23. - Warn: This will send a warning via the standard warning response header for each unknown field that is dropped from the object, and for each duplicate field that is encountered. The request will still succeed if there are no other errors, and will only persist the last of any duplicate fields. This is the default in v1.23+ - Strict: This will fail the request with a <code>BadRequest</code> error if any unknown fields would be dropped from the object, or if any duplicate fields are present. The error returned from the server

Parameter	Type	Description
		will contain all unknown and duplicate fields encountered.

## HTTP responses

HTTP code	Response body
200 - OK	<code>Domain</code> schema
401 - Unauthorized	Empty

## HTTP method

PUT

## Description

replace the specified Domain

## Query parameters

Parameter	Type	Description
<code>dryRun</code>	<code>string</code>	When present, indicates that modifications should not be persisted. An invalid or unrecognized <code>dryRun</code> directive will result in an error response and no further processing of the request. Valid values are: - All: all dry run stages will be processed
<code>fieldValidation</code>	<code>string</code>	<code>fieldValidation</code> instructs the server on how to handle objects in the request (POST/PUT/PATCH) containing unknown or duplicate fields. Valid values are: - Ignore: This will ignore any unknown fields that are silently dropped from the object, and will ignore all but the last duplicate field that the decoder encounters. This is the default behavior prior to v1.23. - Warn: This will send a warning via the standard warning response header for each unknown field that is dropped from the object, and for each duplicate field that is encountered. The request will still succeed if there are no other errors, and will only persist the last of any duplicate fields. This is the default in v1.23+ - Strict: This will fail the

Parameter	Type	Description
		request with a BadRequest error if any unknown fields would be dropped from the object, or if any duplicate fields are present. The error returned from the server will contain all unknown and duplicate fields encountered.

### Body parameters

Parameter	Type	Description
body	Domain schema	application/json formatted

### HTTP responses

HTTP code	Response body
200 - OK	Domain schema
201 - Created	Domain schema
401 - Unauthorized	Empty

## /apis/asm.alauda.io/v1alpha1/namespaces/{namespace}/domains/{name}/status

### HTTP method

GET

### Description

read status of the specified Domain

### HTTP responses

HTTP code	Response body
200 - OK	Domain schema

HTTP code	Response body
401 - Unauthorized	Empty

## HTTP method

PATCH

## Description

partially update status of the specified Domain

## Query parameters

Parameter	Type	Description
<code>dryRun</code>	<code>string</code>	When present, indicates that modifications should not be persisted. An invalid or unrecognized <code>dryRun</code> directive will result in an error response and no further processing of the request. Valid values are: - All: all dry run stages will be processed
<code>fieldValidation</code>	<code>string</code>	<code>fieldValidation</code> instructs the server on how to handle objects in the request (POST/PUT/PATCH) containing unknown or duplicate fields. Valid values are: - Ignore: This will ignore any unknown fields that are silently dropped from the object, and will ignore all but the last duplicate field that the decoder encounters. This is the default behavior prior to v1.23. - Warn: This will send a warning via the standard warning response header for each unknown field that is dropped from the object, and for each duplicate field that is encountered. The request will still succeed if there are no other errors, and will only persist the last of any duplicate fields. This is the default in v1.23+ - Strict: This will fail the request with a <code>BadRequest</code> error if any unknown fields would be dropped from the object, or if any duplicate fields are present. The error returned from the server will contain all unknown and duplicate fields encountered.

## HTTP responses

HTTP code	Response body
200 - OK	<code>Domain</code> schema
401 - Unauthorized	Empty

## HTTP method

PUT

## Description

replace status of the specified Domain

## Query parameters

Parameter	Type	Description
<code>dryRun</code>	<code>string</code>	When present, indicates that modifications should not be persisted. An invalid or unrecognized <code>dryRun</code> directive will result in an error response and no further processing of the request. Valid values are: - All: all dry run stages will be processed
<code>fieldValidation</code>	<code>string</code>	<code>fieldValidation</code> instructs the server on how to handle objects in the request (POST/PUT/PATCH) containing unknown or duplicate fields. Valid values are: - Ignore: This will ignore any unknown fields that are silently dropped from the object, and will ignore all but the last duplicate field that the decoder encounters. This is the default behavior prior to v1.23. - Warn: This will send a warning via the standard warning response header for each unknown field that is dropped from the object, and for each duplicate field that is encountered. The request will still succeed if there are no other errors, and will only persist the last of any duplicate fields. This is the default in v1.23+ - Strict: This will fail the request with a <code>BadRequest</code> error if any unknown fields would be dropped from the object, or if any duplicate fields are present. The error returned from the server will contain all unknown and duplicate fields encountered.

## Body parameters

Parameter	Type	Description
body	Domain schema	application/json formatted

## HTTP responses

HTTP code	Response body
200 - OK	Domain schema
201 - Created	Domain schema
401 - Unauthorized	Empty

## Description

EnvoyFilterBinding is the Schema for the envoyfilterbindings API

## Type

object

## Specification

Property	Type	Description
<code>apiVersion</code>	<code>string</code>	APIVersion defines the versioned schema of this representation of an object. Servers should convert recognized schemas to the latest internal value, and may reject unrecognized values. More info: <a href="https://git.k8s.io/community/contributors/devel/sig-architecture/api-conventions.md#resources">https://git.k8s.io/community/contributors/devel/sig-architecture/api-conventions.md#resources</a>
<code>kind</code>	<code>string</code>	Kind is a string value representing the REST resource this object represents. Servers may infer this from the endpoint the client submits requests to. Cannot be updated. In CamelCase. More info: <a href="https://git.k8s.io/community/contributors/devel/sig-architecture/api-conventions.md#types-kinds">https://git.k8s.io/community/contributors/devel/sig-architecture/api-conventions.md#types-kinds</a>

Property	Type	Description
<code>metadata</code>	<code>ObjectMeta</code> ↗	ObjectMeta is metadata that all persisted resources must have, which includes all objects users must create.
<code>spec</code>	<code>object</code>	EnvoyFilterBindingSpec defines the desired state of EnvoyFilterBinding
<code>status</code>	<code>object</code>	EnvoyFilterBindingStatus defines the observed state of EnvoyFilterBinding

## `.spec`

### Description

EnvoyFilterBindingSpec defines the desired state of EnvoyFilterBinding

### Type

`object`

## `.status`

### Description

EnvoyFilterBindingStatus defines the observed state of EnvoyFilterBinding

### Type

`object`

## API Endpoints

The following API endpoints are available:

- `/apis/asm.alauda.io/v1alpha1/namespaces/{namespace}/envoyfilterbindings`
  - **DELETE** : delete collection of EnvoyFilterBinding
  - **GET** : list objects of kind EnvoyFilterBinding
  - **POST** : create a new EnvoyFilterBinding
- `/apis/asm.alauda.io/v1alpha1/namespaces/{namespace}/envoyfilterbindings/{name}`
  - **DELETE** : delete the specified EnvoyFilterBinding
  - **GET** : read the specified EnvoyFilterBinding
  - **PATCH** : partially update the specified EnvoyFilterBinding
  - **PUT** : replace the specified EnvoyFilterBinding
- `/apis/asm.alauda.io/v1alpha1/namespaces/{namespace}/envoyfilterbindings/{name}/status`
  - **GET** : read status of the specified EnvoyFilterBinding
  - **PATCH** : partially update status of the specified EnvoyFilterBinding
  - **PUT** : replace status of the specified EnvoyFilterBinding

## `/apis/asm.alauda.io/v1alpha1/namespaces/{namespace}/envoyfilterbindings`

### HTTP method

**DELETE**

### Description

delete collection of EnvoyFilterBinding

### HTTP responses

HTTP code	Response body
200 - OK	<a href="#">Status</a> schema
401 - Unauthorized	Empty

## HTTP method

GET

## Description

list objects of kind EnvoyFilterBinding

## HTTP responses

HTTP code	Response body
200 - OK	<code>EnvoyFilterBindingList</code> schema
401 - Unauthorized	Empty

## HTTP method

POST

## Description

create a new EnvoyFilterBinding

## Query parameters

Parameter	Type	Description
<code>dryRun</code>	<code>string</code>	When present, indicates that modifications should not be persisted. An invalid or unrecognized <code>dryRun</code> directive will result in an error response and no further processing of the request. Valid values are: - All: all dry run stages will be processed
<code>fieldValidation</code>	<code>string</code>	<code>fieldValidation</code> instructs the server on how to handle objects in the request (POST/PUT/PATCH) containing unknown or duplicate fields. Valid values are: - Ignore: This will ignore any unknown fields that are silently dropped from the object, and will ignore all but the last duplicate field that the decoder encounters. This is the default behavior prior to v1.23. - Warn: This will send a warning via the standard warning response header for each unknown field that is dropped from the object, and for each duplicate field that is encountered. The request will still succeed if there are no other errors, and will only persist the last of any duplicate fields.

Parameter	Type	Description
		This is the default in v1.23+ - Strict: This will fail the request with a BadRequest error if any unknown fields would be dropped from the object, or if any duplicate fields are present. The error returned from the server will contain all unknown and duplicate fields encountered.

## Body parameters

Parameter	Type	Description
body	EnvoyFilterBinding schema	application/json formatted

## HTTP responses

HTTP code	Response body
200 - OK	EnvoyFilterBinding schema
201 - Created	EnvoyFilterBinding schema
202 - Accepted	EnvoyFilterBinding schema
401 - Unauthorized	Empty

# /apis/asm.alauda.io/v1alpha1/namespaces/{namespace}/envoyfilterbindings/{name}

## HTTP method

DELETE

## Description

delete the specified EnvoyFilterBinding

## Query parameters

Parameter	Type	Description
<code>dryRun</code>	<code>string</code>	When present, indicates that modifications should not be persisted. An invalid or unrecognized <code>dryRun</code> directive will result in an error response and no further processing of the request. Valid values are: - All: all dry run stages will be processed

## HTTP responses

HTTP code	Response body
200 - OK	<code>Status</code> <a href="#">↗</a> schema
202 - Accepted	<code>Status</code> <a href="#">↗</a> schema
401 - Unauthorized	Empty

## HTTP method

`GET`

## Description

read the specified `EnvoyFilterBinding`

## HTTP responses

HTTP code	Response body
200 - OK	<code>EnvoyFilterBinding</code> schema
401 - Unauthorized	Empty

## HTTP method

`PATCH`

## Description

partially update the specified `EnvoyFilterBinding`

## Query parameters

Parameter	Type	Description
<code>dryRun</code>	<code>string</code>	When present, indicates that modifications should not be persisted. An invalid or unrecognized <code>dryRun</code> directive will result in an error response and no further processing of the request. Valid values are: - All: all dry run stages will be processed
<code>fieldValidation</code>	<code>string</code>	<code>fieldValidation</code> instructs the server on how to handle objects in the request (POST/PUT/PATCH) containing unknown or duplicate fields. Valid values are: - Ignore: This will ignore any unknown fields that are silently dropped from the object, and will ignore all but the last duplicate field that the decoder encounters. This is the default behavior prior to v1.23. - Warn: This will send a warning via the standard warning response header for each unknown field that is dropped from the object, and for each duplicate field that is encountered. The request will still succeed if there are no other errors, and will only persist the last of any duplicate fields. This is the default in v1.23+ - Strict: This will fail the request with a <code>BadRequest</code> error if any unknown fields would be dropped from the object, or if any duplicate fields are present. The error returned from the server will contain all unknown and duplicate fields encountered.

## HTTP responses

HTTP code	Response body
200 - OK	<code>EnvoyFilterBinding</code> schema
401 - Unauthorized	Empty

## HTTP method

`PUT`

## Description

replace the specified `EnvoyFilterBinding`

## Query parameters

Parameter	Type	Description
<code>dryRun</code>	<code>string</code>	When present, indicates that modifications should not be persisted. An invalid or unrecognized <code>dryRun</code> directive will result in an error response and no further processing of the request. Valid values are: - All: all dry run stages will be processed
<code>fieldValidation</code>	<code>string</code>	<code>fieldValidation</code> instructs the server on how to handle objects in the request (POST/PUT/PATCH) containing unknown or duplicate fields. Valid values are: - Ignore: This will ignore any unknown fields that are silently dropped from the object, and will ignore all but the last duplicate field that the decoder encounters. This is the default behavior prior to v1.23. - Warn: This will send a warning via the standard warning response header for each unknown field that is dropped from the object, and for each duplicate field that is encountered. The request will still succeed if there are no other errors, and will only persist the last of any duplicate fields. This is the default in v1.23+ - Strict: This will fail the request with a <code>BadRequest</code> error if any unknown fields would be dropped from the object, or if any duplicate fields are present. The error returned from the server will contain all unknown and duplicate fields encountered.

## Body parameters

Parameter	Type	Description
<code>body</code>	<code>EnvoyFilterBinding</code> schema	<code>application/json</code> formatted

## HTTP responses

HTTP code	Response body
200 - OK	<code>EnvoyFilterBinding</code> schema

HTTP code	Response body
201 - Created	<code>EnvoyFilterBinding</code> schema
401 - Unauthorized	Empty

## /apis/asm.alauda.io/v1alpha1/namespaces/{namespace}/envoyfilterbindings/{name}/status

### HTTP method

GET

### Description

read status of the specified EnvoyFilterBinding

### HTTP responses

HTTP code	Response body
200 - OK	<code>EnvoyFilterBinding</code> schema
401 - Unauthorized	Empty

### HTTP method

PATCH

### Description

partially update status of the specified EnvoyFilterBinding

### Query parameters

Parameter	Type	Description
<code>dryRun</code>	<code>string</code>	When present, indicates that modifications should not be persisted. An invalid or unrecognized dryRun directive will result in an error response and no further processing of the request. Valid values are: - All: all dry run stages will be processed

Parameter	Type	Description
<code>fieldValidation</code>	<code>string</code>	<p><code>fieldValidation</code> instructs the server on how to handle objects in the request (POST/PUT/PATCH) containing unknown or duplicate fields. Valid values are:</p> <ul style="list-style-type: none"> <li>- Ignore: This will ignore any unknown fields that are silently dropped from the object, and will ignore all but the last duplicate field that the decoder encounters. This is the default behavior prior to v1.23.</li> <li>- Warn: This will send a warning via the standard warning response header for each unknown field that is dropped from the object, and for each duplicate field that is encountered. The request will still succeed if there are no other errors, and will only persist the last of any duplicate fields. This is the default in v1.23+.</li> <li>- Strict: This will fail the request with a <code>BadRequest</code> error if any unknown fields would be dropped from the object, or if any duplicate fields are present. The error returned from the server will contain all unknown and duplicate fields encountered.</li> </ul>

## HTTP responses

HTTP code	Response body
200 - OK	<code>EnvoyFilterBinding</code> schema
401 - Unauthorized	Empty

## HTTP method

`PUT`

## Description

replace status of the specified `EnvoyFilterBinding`

## Query parameters

Parameter	Type	Description
<code>dryRun</code>	<code>string</code>	When present, indicates that modifications should not be persisted. An invalid or unrecognized <code>dryRun</code>

Parameter	Type	Description
		directive will result in an error response and no further processing of the request. Valid values are: - All: all dry run stages will be processed
<code>fieldValidation</code>	<code>string</code>	<p>fieldValidation instructs the server on how to handle objects in the request (POST/PUT/PATCH) containing unknown or duplicate fields. Valid values are: - Ignore: This will ignore any unknown fields that are silently dropped from the object, and will ignore all but the last duplicate field that the decoder encounters. This is the default behavior prior to v1.23. - Warn: This will send a warning via the standard warning response header for each unknown field that is dropped from the object, and for each duplicate field that is encountered. The request will still succeed if there are no other errors, and will only persist the last of any duplicate fields. This is the default in v1.23+ - Strict: This will fail the request with a BadRequest error if any unknown fields would be dropped from the object, or if any duplicate fields are present. The error returned from the server will contain all unknown and duplicate fields encountered.</p>

## Body parameters

Parameter	Type	Description
<code>body</code>	<code>EnvoyFilterBinding</code> schema	<code>application/json</code> formatted

## HTTP responses

HTTP code	Response body
200 - OK	<code>EnvoyFilterBinding</code> schema
201 - Created	<code>EnvoyFilterBinding</code> schema
401 - Unauthorized	Empty



## Description

EnvoyFilterTemplateSync is the Schema for the envoyfiltertemplatesyncs API

## Type

object

## Specification

Property	Type	Description
<code>apiVersion</code>	<code>string</code>	APIVersion defines the versioned schema of this representation of an object. Servers should convert recognized schemas to the latest internal value, and may reject unrecognized values. More info: <a href="https://git.k8s.io/community/contributors/devel/sig-architecture/api-conventions.md#resources">https://git.k8s.io/community/contributors/devel/sig-architecture/api-conventions.md#resources</a>
<code>kind</code>	<code>string</code>	Kind is a string value representing the REST resource this object represents. Servers may infer this from the endpoint the client submits requests to. Cannot be updated. In CamelCase. More info: <a href="https://git.k8s.io/community/contributors/devel/sig-architecture/api-conventions.md#types-kinds">https://git.k8s.io/community/contributors/devel/sig-architecture/api-conventions.md#types-kinds</a>

Property	Type	Description
<code>metadata</code>	<code>ObjectMeta</code> ↗	ObjectMeta is metadata that all persisted resources must have, which includes all objects users must create.
<code>spec</code>	<code>object</code>	EnvoyFilterTemplateSyncSpec defines the desired state of EnvoyFilterTemplateSync
<code>status</code>	<code>object</code>	EnvoyFilterTemplateSyncStatus defines the observed state of EnvoyFilterTemplateSync

## `.spec`

### Description

EnvoyFilterTemplateSyncSpec defines the desired state of EnvoyFilterTemplateSync

### Type

`object`

### Required

`templates`

Property	Type	Description
<code>templates</code>	<code>array</code>	

## `.spec.templates`

### Type

`array`

## .spec.templates[]

### Type

object

### Required

istioVersion

value

Property	Type	Description
hash	string	
istioVersion	string	
value	string	
version	string	

## .status

### Description

EnvoyFilterTemplateSyncStatus defines the observed state of EnvoyFilterTemplateSync

### Type

object

## API Endpoints

The following API endpoints are available:

- `/apis/asm.alauda.io/v1alpha1/namespaces/{namespace}/envoyfiltertemplatesyncs`
  - DELETE** : delete collection of EnvoyFilterTemplateSync
  - GET** : list objects of kind EnvoyFilterTemplateSync
  - POST** : create a new EnvoyFilterTemplateSync

- `/apis/asm.alauda.io/v1alpha1/namespaces/{namespace}/envoyfiltertemplatesyncs/{name}`
  - **DELETE** : delete the specified EnvoyFilterTemplateSync
  - **GET** : read the specified EnvoyFilterTemplateSync
  - **PATCH** : partially update the specified EnvoyFilterTemplateSync
  - **PUT** : replace the specified EnvoyFilterTemplateSync
- `/apis/asm.alauda.io/v1alpha1/namespaces/{namespace}/envoyfiltertemplatesyncs/{name}/status`
  - **GET** : read status of the specified EnvoyFilterTemplateSync
  - **PATCH** : partially update status of the specified EnvoyFilterTemplateSync
  - **PUT** : replace status of the specified EnvoyFilterTemplateSync

## `/apis/asm.alauda.io/v1alpha1/namespaces/{namespace}/envoyfiltertemplatesyncs`

### HTTP method

**DELETE**

### Description

delete collection of EnvoyFilterTemplateSync

### HTTP responses

HTTP code	Response body
200 - OK	<a href="#">Status</a> schema
401 - Unauthorized	Empty

### HTTP method

**GET**

### Description

list objects of kind EnvoyFilterTemplateSync

## HTTP responses

HTTP code	Response body
200 - OK	<code>EnvoyFilterTemplateSyncList</code> schema
401 - Unauthorized	Empty

## HTTP method

POST

## Description

create a new EnvoyFilterTemplateSync

## Query parameters

Parameter	Type	Description
<code>dryRun</code>	<code>string</code>	When present, indicates that modifications should not be persisted. An invalid or unrecognized dryRun directive will result in an error response and no further processing of the request. Valid values are: - All: all dry run stages will be processed

Parameter	Type	Description
<code>fieldValidation</code>	<code>string</code>	<p><code>fieldValidation</code> instructs the server on how to handle objects in the request (POST/PUT/PATCH) containing unknown or duplicate fields. Valid values are:</p> <ul style="list-style-type: none"> <li>- Ignore: This will ignore any unknown fields that are silently dropped from the object, and will ignore all but the last duplicate field that the decoder encounters. This is the default behavior prior to v1.23.</li> <li>- Warn: This will send a warning via the standard warning response header for each unknown field that is dropped from the object, and for each duplicate field that is encountered. The request will still succeed if there are no other errors, and will only persist the last of any duplicate fields. This is the default in v1.23+.</li> <li>- Strict: This will fail the request with a <code>BadRequest</code> error if any unknown fields would be dropped from the object, or if any duplicate fields are present. The error returned from the server will contain all unknown and duplicate fields encountered.</li> </ul>

## Body parameters

Parameter	Type	Description
<code>body</code>	<code>EnvoyFilterTemplateSync</code> schema	<code>application/json</code> formatted

## HTTP responses

HTTP code	Response body
200 - OK	<code>EnvoyFilterTemplateSync</code> schema
201 - Created	<code>EnvoyFilterTemplateSync</code> schema
202 - Accepted	<code>EnvoyFilterTemplateSync</code> schema
401 - Unauthorized	Empty

# /apis/asm.alauda.io/v1alpha1/namespaces/{namespace}/envoyfiltertemplatesyncs/{name}

## HTTP method

DELETE

## Description

delete the specified EnvoyFilterTemplateSync

## Query parameters

Parameter	Type	Description
<code>dryRun</code>	<code>string</code>	When present, indicates that modifications should not be persisted. An invalid or unrecognized dryRun directive will result in an error response and no further processing of the request. Valid values are: - All: all dry run stages will be processed

## HTTP responses

HTTP code	Response body
200 - OK	<a href="#">Status ↗</a> schema
202 - Accepted	<a href="#">Status ↗</a> schema
401 - Unauthorized	Empty

## HTTP method

GET

## Description

read the specified EnvoyFilterTemplateSync

## HTTP responses

HTTP code	Response body
200 - OK	<code>EnvoyFilterTemplateSync</code> schema
401 - Unauthorized	Empty

## HTTP method

PATCH

## Description

partially update the specified `EnvoyFilterTemplateSync`

## Query parameters

Parameter	Type	Description
<code>dryRun</code>	<code>string</code>	When present, indicates that modifications should not be persisted. An invalid or unrecognized <code>dryRun</code> directive will result in an error response and no further processing of the request. Valid values are: - All: all dry run stages will be processed
<code>fieldValidation</code>	<code>string</code>	<code>fieldValidation</code> instructs the server on how to handle objects in the request (POST/PUT/PATCH) containing unknown or duplicate fields. Valid values are: - Ignore: This will ignore any unknown fields that are silently dropped from the object, and will ignore all but the last duplicate field that the decoder encounters. This is the default behavior prior to v1.23. - Warn: This will send a warning via the standard warning response header for each unknown field that is dropped from the object, and for each duplicate field that is encountered. The request will still succeed if there are no other errors, and will only persist the last of any duplicate fields. This is the default in v1.23+ - Strict: This will fail the request with a <code>BadRequest</code> error if any unknown fields would be dropped from the object, or if any duplicate fields are present. The error returned from the server will contain all unknown and duplicate fields encountered.

## HTTP responses

HTTP code	Response body
200 - OK	<code>EnvoyFilterTemplateSync</code> schema
401 - Unauthorized	Empty

## HTTP method

PUT

## Description

replace the specified `EnvoyFilterTemplateSync`

## Query parameters

Parameter	Type	Description
<code>dryRun</code>	<code>string</code>	When present, indicates that modifications should not be persisted. An invalid or unrecognized <code>dryRun</code> directive will result in an error response and no further processing of the request. Valid values are: - All: all dry run stages will be processed

Parameter	Type	Description
<code>fieldValidation</code>	<code>string</code>	<p><code>fieldValidation</code> instructs the server on how to handle objects in the request (POST/PUT/PATCH) containing unknown or duplicate fields. Valid values are:</p> <ul style="list-style-type: none"> <li>- Ignore: This will ignore any unknown fields that are silently dropped from the object, and will ignore all but the last duplicate field that the decoder encounters. This is the default behavior prior to v1.23.</li> <li>- Warn: This will send a warning via the standard warning response header for each unknown field that is dropped from the object, and for each duplicate field that is encountered. The request will still succeed if there are no other errors, and will only persist the last of any duplicate fields. This is the default in v1.23+.</li> <li>- Strict: This will fail the request with a <code>BadRequest</code> error if any unknown fields would be dropped from the object, or if any duplicate fields are present. The error returned from the server will contain all unknown and duplicate fields encountered.</li> </ul>

### Body parameters

Parameter	Type	Description
<code>body</code>	<code>EnvoyFilterTemplateSync</code> schema	<code>application/json</code> formatted

### HTTP responses

HTTP code	Response body
200 - OK	<code>EnvoyFilterTemplateSync</code> schema
201 - Created	<code>EnvoyFilterTemplateSync</code> schema
401 - Unauthorized	Empty

**`/apis/asm.alauda.io/v1alpha1/namespaces/{namespace}/envoyfiltertemplatesyncs/{name}/status`**

## HTTP method

GET

## Description

read status of the specified EnvoyFilterTemplateSync

## HTTP responses

HTTP code	Response body
200 - OK	<code>EnvoyFilterTemplateSync</code> schema
401 - Unauthorized	Empty

## HTTP method

PATCH

## Description

partially update status of the specified EnvoyFilterTemplateSync

## Query parameters

Parameter	Type	Description
<code>dryRun</code>	<code>string</code>	When present, indicates that modifications should not be persisted. An invalid or unrecognized <code>dryRun</code> directive will result in an error response and no further processing of the request. Valid values are: - All: all dry run stages will be processed
<code>fieldValidation</code>	<code>string</code>	<code>fieldValidation</code> instructs the server on how to handle objects in the request (POST/PUT/PATCH) containing unknown or duplicate fields. Valid values are: - Ignore: This will ignore any unknown fields that are silently dropped from the object, and will ignore all but the last duplicate field that the decoder encounters. This is the default behavior prior to v1.23. - Warn: This will send a warning via the standard warning response header for each unknown field that is dropped from the object, and for each duplicate field that is encountered. The request will still succeed if there are no other errors, and will only persist the last of any duplicate fields.

Parameter	Type	Description
		This is the default in v1.23+ - Strict: This will fail the request with a BadRequest error if any unknown fields would be dropped from the object, or if any duplicate fields are present. The error returned from the server will contain all unknown and duplicate fields encountered.

## HTTP responses

HTTP code	Response body
200 - OK	<code>EnvoyFilterTemplateSync</code> schema
401 - Unauthorized	Empty

## HTTP method

PUT

## Description

replace status of the specified `EnvoyFilterTemplateSync`

## Query parameters

Parameter	Type	Description
<code>dryRun</code>	<code>string</code>	When present, indicates that modifications should not be persisted. An invalid or unrecognized <code>dryRun</code> directive will result in an error response and no further processing of the request. Valid values are: - All: all dry run stages will be processed
<code>fieldValidation</code>	<code>string</code>	<code>fieldValidation</code> instructs the server on how to handle objects in the request (POST/PUT/PATCH) containing unknown or duplicate fields. Valid values are: - Ignore: This will ignore any unknown fields that are silently dropped from the object, and will ignore all but the last duplicate field that the decoder encounters. This is the default behavior prior to v1.23. - Warn: This will send a warning via the standard warning response header for each unknown field that is dropped from the object,

Parameter	Type	Description
		and for each duplicate field that is encountered. The request will still succeed if there are no other errors, and will only persist the last of any duplicate fields. This is the default in v1.23+ - Strict: This will fail the request with a BadRequest error if any unknown fields would be dropped from the object, or if any duplicate fields are present. The error returned from the server will contain all unknown and duplicate fields encountered.

## Body parameters

Parameter	Type	Description
body	EnvoyFilterTemplateSync schema	application/json formatted

## HTTP responses

HTTP code	Response body
200 - OK	EnvoyFilterTemplateSync schema
201 - Created	EnvoyFilterTemplateSync schema
401 - Unauthorized	Empty

## Description

ErrorCheck is the Schema for the errorchecks API

## Type

object

## Specification

Property	Type	Description
<code>apiVersion</code>	<code>string</code>	APIVersion defines the versioned schema of this representation of an object. Servers should convert recognized schemas to the latest internal value, and may reject unrecognized values. More info: <a href="https://git.k8s.io/community/contributors/devel/api-conventions.md#resources">https://git.k8s.io/community/contributors/devel/api-conventions.md#resources</a>
<code>kind</code>	<code>string</code>	Kind is a string value representing the REST resource this object represents. Servers may infer this from the endpoint the client submits requests to. Cannot be updated. In CamelCase. More info: <a href="https://git.k8s.io/community/contributors/devel/api-conventions.md#types-kinds">https://git.k8s.io/community/contributors/devel/api-conventions.md#types-kinds</a>

Property	Type	Description
<code>metadata</code>	<code>ObjectMeta</code> ↗	ObjectMeta is metadata that all persisted resources must have, which includes all objects users must create.
<code>spec</code>	<code>object</code>	ErrorCheckSpec defines the desired state of ErrorCheck
<code>status</code>	<code>object</code>	ErrorCheckStatus defines the observed state of ErrorCheck

## `.spec`

### Description

ErrorCheckSpec defines the desired state of ErrorCheck

### Type

`object`

### Required

`errlist`

Property	Type	Description
<code>errlist</code>	<code>array</code>	

## `.spec.errlist`

### Type

`array`

## `.spec.errlist[]`

## Type

object

Property	Type	Description
errorcode	string	
errordesc	string	
errorlevel	string	
relatename	string	
resourename	string	

## .status

### Description

ErrorCheckStatus defines the observed state of ErrorCheck

### Type

object

## API Endpoints

The following API endpoints are available:

- `/apis/asm.alauda.io/v1alpha1/namespaces/{namespace}/errorchecks`
  - **DELETE** : delete collection of ErrorCheck
  - **GET** : list objects of kind ErrorCheck
  - **POST** : create a new ErrorCheck
- `/apis/asm.alauda.io/v1alpha1/namespaces/{namespace}/errorchecks/{name}`
  - **DELETE** : delete the specified ErrorCheck

- **GET** : read the specified ErrorCheck
- **PATCH** : partially update the specified ErrorCheck
- **PUT** : replace the specified ErrorCheck
- **/apis/asm.alauda.io/v1alpha1/namespaces/{namespace}/errorchecks/{name}/status**
  - **GET** : read status of the specified ErrorCheck
  - **PATCH** : partially update status of the specified ErrorCheck
  - **PUT** : replace status of the specified ErrorCheck

## /apis/asm.alauda.io/v1alpha1/namespaces/{namespace}/errorchecks

### HTTP method

**DELETE**

### Description

delete collection of ErrorCheck

### HTTP responses

HTTP code	Response body
200 - OK	<a href="#">Status</a> schema
401 - Unauthorized	Empty

### HTTP method

**GET**

### Description

list objects of kind ErrorCheck

### HTTP responses

HTTP code	Response body
200 - OK	<code>ErrorCheckList</code> schema
401 - Unauthorized	Empty

## HTTP method

POST

## Description

create a new ErrorCheck

## Query parameters

Parameter	Type	Description
<code>dryRun</code>	<code>string</code>	When present, indicates that modifications should not be persisted. An invalid or unrecognized <code>dryRun</code> directive will result in an error response and no further processing of the request. Valid values are: - All: all dry run stages will be processed
<code>fieldValidation</code>	<code>string</code>	<code>fieldValidation</code> instructs the server on how to handle objects in the request (POST/PUT/PATCH) containing unknown or duplicate fields. Valid values are: - Ignore: This will ignore any unknown fields that are silently dropped from the object, and will ignore all but the last duplicate field that the decoder encounters. This is the default behavior prior to v1.23. - Warn: This will send a warning via the standard warning response header for each unknown field that is dropped from the object, and for each duplicate field that is encountered. The request will still succeed if there are no other errors, and will only persist the last of any duplicate fields. This is the default in v1.23+ - Strict: This will fail the request with a <code>BadRequest</code> error if any unknown fields would be dropped from the object, or if any duplicate fields are present. The error returned from the server will contain all unknown and duplicate fields encountered.

## Body parameters

Parameter	Type	Description
body	ErrorCheck schema	application/json formatted

## HTTP responses

HTTP code	Response body
200 - OK	ErrorCheck schema
201 - Created	ErrorCheck schema
202 - Accepted	ErrorCheck schema
401 - Unauthorized	Empty

# /apis/asm.alauda.io/v1alpha1/namespaces/{namespace}/errorchecks/{name}

## HTTP method

DELETE

## Description

delete the specified ErrorCheck

## Query parameters

Parameter	Type	Description
dryRun	string	When present, indicates that modifications should not be persisted. An invalid or unrecognized dryRun directive will result in an error response and no further processing of the request. Valid values are: - All: all dry run stages will be processed

## HTTP responses

HTTP code	Response body
200 - OK	<code>Status</code> schema
202 - Accepted	<code>Status</code> schema
401 - Unauthorized	Empty

## HTTP method

GET

## Description

read the specified ErrorCheck

## HTTP responses

HTTP code	Response body
200 - OK	<code>ErrorCheck</code> schema
401 - Unauthorized	Empty

## HTTP method

PATCH

## Description

partially update the specified ErrorCheck

## Query parameters

Parameter	Type	Description
<code>dryRun</code>	<code>string</code>	When present, indicates that modifications should not be persisted. An invalid or unrecognized <code>dryRun</code> directive will result in an error response and no further processing of the request. Valid values are: - All: all dry run stages will be processed
<code>fieldValidation</code>	<code>string</code>	<code>fieldValidation</code> instructs the server on how to handle objects in the request (POST/PUT/PATCH) containing unknown or duplicate fields. Valid values are: - Ignore:

Parameter	Type	Description
		<p>This will ignore any unknown fields that are silently dropped from the object, and will ignore all but the last duplicate field that the decoder encounters. This is the default behavior prior to v1.23. - Warn: This will send a warning via the standard warning response header for each unknown field that is dropped from the object, and for each duplicate field that is encountered. The request will still succeed if there are no other errors, and will only persist the last of any duplicate fields. This is the default in v1.23+ - Strict: This will fail the request with a BadRequest error if any unknown fields would be dropped from the object, or if any duplicate fields are present. The error returned from the server will contain all unknown and duplicate fields encountered.</p>

## HTTP responses

HTTP code	Response body
200 - OK	<code>ErrorCheck</code> schema
401 - Unauthorized	Empty

## HTTP method

`PUT`

## Description

replace the specified `ErrorCheck`

## Query parameters

Parameter	Type	Description
<code>dryRun</code>	<code>string</code>	<p>When present, indicates that modifications should not be persisted. An invalid or unrecognized <code>dryRun</code> directive will result in an error response and no further processing of the request. Valid values are: - All: all dry run stages will be processed</p>

Parameter	Type	Description
<code>fieldValidation</code>	<code>string</code>	<p><code>fieldValidation</code> instructs the server on how to handle objects in the request (POST/PUT/PATCH) containing unknown or duplicate fields. Valid values are:</p> <ul style="list-style-type: none"> <li>- Ignore: This will ignore any unknown fields that are silently dropped from the object, and will ignore all but the last duplicate field that the decoder encounters. This is the default behavior prior to v1.23.</li> <li>- Warn: This will send a warning via the standard warning response header for each unknown field that is dropped from the object, and for each duplicate field that is encountered. The request will still succeed if there are no other errors, and will only persist the last of any duplicate fields. This is the default in v1.23+.</li> <li>- Strict: This will fail the request with a <code>BadRequest</code> error if any unknown fields would be dropped from the object, or if any duplicate fields are present. The error returned from the server will contain all unknown and duplicate fields encountered.</li> </ul>

### Body parameters

Parameter	Type	Description
<code>body</code>	<code>ErrorCheck</code> schema	<code>application/json</code> formatted

### HTTP responses

HTTP code	Response body
200 - OK	<code>ErrorCheck</code> schema
201 - Created	<code>ErrorCheck</code> schema
401 - Unauthorized	Empty

**`/apis/asm.alauda.io/v1alpha1/namespaces/{namespace}/errorchecks/{name}/status`**

## HTTP method

GET

## Description

read status of the specified ErrorCheck

## HTTP responses

HTTP code	Response body
200 - OK	<code>ErrorCheck</code> schema
401 - Unauthorized	Empty

## HTTP method

PATCH

## Description

partially update status of the specified ErrorCheck

## Query parameters

Parameter	Type	Description
<code>dryRun</code>	<code>string</code>	When present, indicates that modifications should not be persisted. An invalid or unrecognized <code>dryRun</code> directive will result in an error response and no further processing of the request. Valid values are: - All: all dry run stages will be processed
<code>fieldValidation</code>	<code>string</code>	<code>fieldValidation</code> instructs the server on how to handle objects in the request (POST/PUT/PATCH) containing unknown or duplicate fields. Valid values are: - Ignore: This will ignore any unknown fields that are silently dropped from the object, and will ignore all but the last duplicate field that the decoder encounters. This is the default behavior prior to v1.23. - Warn: This will send a warning via the standard warning response header for each unknown field that is dropped from the object, and for each duplicate field that is encountered. The request will still succeed if there are no other errors, and will only persist the last of any duplicate fields.

Parameter	Type	Description
		This is the default in v1.23+ - Strict: This will fail the request with a BadRequest error if any unknown fields would be dropped from the object, or if any duplicate fields are present. The error returned from the server will contain all unknown and duplicate fields encountered.

## HTTP responses

HTTP code	Response body
200 - OK	<code>ErrorCheck</code> schema
401 - Unauthorized	Empty

## HTTP method

PUT

## Description

replace status of the specified `ErrorCheck`

## Query parameters

Parameter	Type	Description
<code>dryRun</code>	<code>string</code>	When present, indicates that modifications should not be persisted. An invalid or unrecognized <code>dryRun</code> directive will result in an error response and no further processing of the request. Valid values are: - All: all dry run stages will be processed
<code>fieldValidation</code>	<code>string</code>	<code>fieldValidation</code> instructs the server on how to handle objects in the request (POST/PUT/PATCH) containing unknown or duplicate fields. Valid values are: - Ignore: This will ignore any unknown fields that are silently dropped from the object, and will ignore all but the last duplicate field that the decoder encounters. This is the default behavior prior to v1.23. - Warn: This will send a warning via the standard warning response header for each unknown field that is dropped from the object,

Parameter	Type	Description
		and for each duplicate field that is encountered. The request will still succeed if there are no other errors, and will only persist the last of any duplicate fields. This is the default in v1.23+ - Strict: This will fail the request with a BadRequest error if any unknown fields would be dropped from the object, or if any duplicate fields are present. The error returned from the server will contain all unknown and duplicate fields encountered.

## Body parameters

Parameter	Type	Description
body	ErrorCheck schema	application/json formatted

## HTTP responses

HTTP code	Response body
200 - OK	ErrorCheck schema
201 - Created	ErrorCheck schema
401 - Unauthorized	Empty

## Description

GatewayDeploy is the Schema for the gatewaydeploys API

## Type

object

## Specification

Property	Type	Description
<code>apiVersion</code>	<code>string</code>	APIVersion defines the versioned schema of this representation of an object. Servers should convert recognized schemas to the latest internal value, and may reject unrecognized values. More info: <a href="https://git.k8s.io/community/contributors/devel/sig-architecture/api-conventions.md#resources">https://git.k8s.io/community/contributors/devel/sig-architecture/api-conventions.md#resources</a>
<code>kind</code>	<code>string</code>	Kind is a string value representing the REST resource this object represents. Servers may infer this from the endpoint the client submits requests to. Cannot be updated. In CamelCase. More info: <a href="https://git.k8s.io/community/contributors/devel/sig-architecture/api-conventions.md#types-kinds">https://git.k8s.io/community/contributors/devel/sig-architecture/api-conventions.md#types-kinds</a>

Property	Type	Description
<code>metadata</code>	<code>ObjectMeta</code> ↗	ObjectMeta is metadata that all persisted resources must have, which includes all objects users must create.
<code>spec</code>	<code>object</code>	GatewayDeploySpec defines the desired state of GatewayDeploy
<code>status</code>	<code>object</code>	GatewayDeployStatus defines the observed state of GatewayDeploy

## .spec

### Description

GatewayDeploySpec defines the desired state of GatewayDeploy

### Type

`object`

### Required

`global`

`k8s`

`revision`

`type`

Property	Type	Description
<code>accessLogging</code>	<code>object</code>	Access-log configuration.
<code>global</code>	<code>object</code>	Global configuration.

Property	Type	Description
k8s	object	Kubernetes configuration.
revision	string	Gateway Revision.
type	string	Type of gateway.

## .spec.accessLogging

### Description

Access-log configuration.

### Type

object

### Required

enabled

Property	Type	Description
enabled	boolean	

## .spec.global

### Description

Global configuration.

### Type

object

### Required

podStrategy

Property	Type	Description
autoscaleEnabled	boolean	Whether auto-scaling is enabled.
externalLoadBalancerIPAddress	string	External Load Balancer IP address
podStrategy	string	Anti-affinity strategy.
private	boolean	Visibility to other projects

## .spec.k8s

### Description

Kubernetes configuration.

### Type

object

Property	Type	Description
hpaSpec	object	HPA configuration.
nodeSelector	object	Node Selector, key of the map is node's label key, value of the map is a type of []string that means In operation will be used for node selection.

Property	Type	Description
<code>nodes</code>	<code>array</code>	Deploy Nodes.
<code>podAnnotations</code>	<code>object</code>	Pod's annotations.
<code>replicas</code>	<code>integer</code>	Replicas.
<code>resources</code>	<code>object</code>	Resource limits.
<code>service</code>	<code>object</code>	Port details.
<code>tolerations</code>	<code>array</code>	Taint tolerance.

## `.spec.k8s.hpaSpec`

### Description

HPA configuration.

### Type

`object`

Property	Type	Description
<code>maxReplicas</code>	<code>integer</code>	Maximum number of replicas.

Property	Type	Description
<code>minReplicas</code>	<code>integer</code>	Minimum number of replicas.

## `.spec.k8s.nodeSelector`

### Description

Node Selector, key of the map is node's label key, value of the map is a type of `[]string` that means ``In`` operation will be used for node selection.

### Type

`object`

## `.spec.k8s.nodes`

### Description

Deploy Nodes.

### Type

`array`

## `.spec.k8s.nodes[]`

### Type

`string`

## `.spec.k8s.podAnnotations`

### Description

Pod's annotations.

### Type

`object`

## `.spec.k8s.resources`

### Description

Resource limits.

### Type

object

Property	Type	Description
<code>limits</code>	object	Maximum resource limits.
<code>requests</code>	object	Minimum resource requirements.

## `.spec.k8s.resources.limits`

### Description

Maximum resource limits.

### Type

object

Property	Type	Description
<code>cpu</code>	string	CPU.
<code>memory</code>	string	Memory.

## `.spec.k8s.resources.requests`

## Description

Minimum resource requirements.

## Type

object

Property	Type	Description
cpu	string	CPU.
memory	string	Memory.

## .spec.k8s.service

## Description

Port details.

## Type

object

Property	Type	Description
annotations	object	Service's annotations.
ports	object	Port details.
type	string	Type of service.

## .spec.k8s.service.annotations

## Description

Service's annotations.

## Type

object

## .spec.k8s.service.ports

## Description

Port details.

## Type

object

Property	Type	Description
http	object	HTTP port.
http-https	object	http/https port.
https	object	HTTPS port.
tcp	object	TCP port.

## .spec.k8s.service.ports.http

## Description

HTTP port.

## Type

object

Property	Type	Description
count	integer	Number.
data	array	Port list.

## **.spec.k8s.service.ports.http.data**

### **Description**

Port list.

### **Type**

array

## **.spec.k8s.service.ports.http.data[]**

### **Type**

object

Property	Type	Description
items	array	Info of port.
name	string	Name.

## **.spec.k8s.service.ports.http.data[].items**

### **Description**

Info of port.

**Type**

array

**.spec.k8s.service.ports.http.data[].items[]****Type**

object

Property	Type	Description
externalLoadBalancerPort	integer	External Load Balancer Port
nodePort	integer	Node port.
port	integer	Service port.
protocol	string	Type of protocol.
targetPort	integer	Container port.

**.spec.k8s.service.ports.http-https****Description**

http/https port.

**Type**

object

Property	Type	Description
count	integer	Number.
data	array	Port list.

## `.spec.k8s.service.ports.http-https.data`

### Description

Port list.

### Type

array

## `.spec.k8s.service.ports.http-https.data[]`

### Type

object

Property	Type	Description
items	array	Info of port.
name	string	Name.

## `.spec.k8s.service.ports.http-https.data[].items`

### Description

Info of port.

**Type**

array

**.spec.k8s.service.ports.http-https.data[].items[]****Type**

object

Property	Type	Description
externalLoadBalancerPort	integer	External Load Balancer Port
nodePort	integer	Node port.
port	integer	Service port.
protocol	string	Type of protocol.
targetPort	integer	Container port.

**.spec.k8s.service.ports.https****Description**

HTTPS port.

**Type**

object

Property	Type	Description
count	integer	Number.
data	array	Port list.

## `.spec.k8s.service.ports.https.data`

### Description

Port list.

### Type

array

## `.spec.k8s.service.ports.https.data[]`

### Type

object

Property	Type	Description
items	array	Info of port.
name	string	Name.

## `.spec.k8s.service.ports.https.data[].items`

### Description

Info of port.

**Type**

array

**.spec.k8s.service.ports.https.data[].items[]****Type**

object

Property	Type	Description
externalLoadBalancerPort	integer	External Load Balancer Port
nodePort	integer	Node port.
port	integer	Service port.
protocol	string	Type of protocol.
targetPort	integer	Container port.

**.spec.k8s.service.ports.tcp****Description**

TCP port.

**Type**

object

Property	Type	Description
count	integer	Number.
data	array	Port list.

## **.spec.k8s.service.ports.tcp.data**

### **Description**

Port list.

### **Type**

array

## **.spec.k8s.service.ports.tcp.data[]**

### **Type**

object

Property	Type	Description
items	array	Info of port.
name	string	Name.

## **.spec.k8s.service.ports.tcp.data[].items**

### **Description**

Info of port.

**Type**

array

**.spec.k8s.service.ports.tcp.data[].items[]****Type**

object

Property	Type	Description
externalLoadBalancerPort	integer	External Load Balancer Port
nodePort	integer	Node port.
port	integer	Service port.
protocol	string	Type of protocol.
targetPort	integer	Container port.

**.spec.k8s.tolerations****Description**

Taint tolerance.

**Type**

array

## .spec.k8s.tolerations[]

### Type

object

Property	Type	Description
effect	string	Scheduling policy.
key	string	Key of taint.
operator	string	Tolerant matching strategy.
value	string	Value of taint.

## .status

### Description

GatewayDeployStatus defines the observed state of GatewayDeploy

### Type

object

Property	Type	Description
availableReplicas	integer	Number of replicas available.

Property	Type	Description
<code>message</code>	<code>string</code>	A human readable message indicating details about why the gateway is in this phase.
<code>phase</code>	<code>string</code>	Status of the gateway workloads and service.
<code>Pods</code>	<code>array</code>	Pod status.
<code>proxy</code>	<code>object</code>	Istio Proxy status
<code>replicas</code>	<code>integer</code>	Expected number of replicas.
<code>service</code>	<code>object</code>	Service status

## **.status.pods**

### **Description**

Pod status.

### **Type**

`array`

## **.status.pods[]**

### **Type**

`object`

Property	Type	Description
hostIP	string	Node ip.
phase	string	Status of container.
podIP	string	Pod ip.

## .status.proxy

### Description

Istio Proxy status

### Type

object

Property	Type	Description
conditions	array	
reason	string	
revision	object	
state	string	

## .status.proxy.conditions

### Type

array

# .status.proxy.conditions[]

## Description

Condition contains details for one aspect of the current state of this API Resource. --- This struct is intended for direct use as an array at the field path .status.conditions. For example, type FooStatus struct{ // Represents the observations of a foo's current state. // Known .status.conditions.type are: "Available", "Progressing", and "Degraded" // +patchMergeKey=type // +patchStrategy=merge // +listType=map // +listMapKey=type Conditions []metav1.Condition `json:"conditions,omitempty" patchStrategy:"merge" patchMergeKey:"type" protobuf:"bytes,1,rep,name=conditions"` // other fields }

## Type

object

## Required

lastTransitionTime message reason status type

Property	Type	Description
lastTransitionTime	string	lastTransitionTime is the last time the condition transitioned from one status to another. This should be when the underlying condition changed. If that is not known, then using the time when the API field changed is acceptable.
message	string	message is a human readable message indicating details about the transition. This may be an empty string.
observedGeneration	integer	observedGeneration represents the .metadata.generation that the condition was set based upon. For instance, if .metadata.generation is currently 12, but the .status.conditions[x].observedGeneration is 9, the

Property	Type	Description
		condition is out of date with respect to the current state of the instance.
reason	string	reason contains a programmatic identifier indicating the reason for the condition's last transition. Producers of specific condition types may define expected values and meanings for this field, and whether the values are considered a guaranteed API. The value should be a CamelCase string. This field may not be empty.
status	string	status of the condition, one of True, False, Unknown.
type	string	type of condition in CamelCase or in foo.example.com/CamelCase. --- Many .condition.type values are consistent across resources like Available, but because arbitrary conditions can be useful (see .node.status.conditions), the ability to deconflict is important. The regex it matches is (dns1123SubdomainFmt)?(qualifiedNameFmt)

## .status.proxy.revision

### Type

object

### Required

current

target

Property	Type	Description
current	string	
target	string	

## .status.service

### Description

Service status

### Type

object

Property	Type	Description
loadBalancer	object	LoadBalancer status
ports	array	Ports status

## .status.service.loadBalancer

### Description

LoadBalancer status

### Type

object

Property	Type	Description
<code>ingress</code>	<code>array</code>	Ingress is a list containing ingress points for the load-balancer. Traffic intended for the service should be sent to these ingress points.

## `.status.service.loadBalancer.ingress`

### Description

Ingress is a list containing ingress points for the load-balancer. Traffic intended for the service should be sent to these ingress points.

### Type

`array`

## `.status.service.loadBalancer.ingress[]`

### Description

LoadBalancerIngress represents the status of a load-balancer ingress point: traffic intended for the service should be sent to an ingress point.

### Type

`object`

Property	Type	Description
<code>hostname</code>	<code>string</code>	Hostname is set for load-balancer ingress points that are DNS based (typically AWS load-balancers)
<code>ip</code>	<code>string</code>	IP is set for load-balancer ingress points that are IP based (typically GCE or OpenStack load-balancers)

Property	Type	Description
ports	array	Ports is a list of records of service ports If used, every port defined in the service should have an entry in it

## `.status.service.loadBalancer.ingress[].ports`

### Description

Ports is a list of records of service ports If used, every port defined in the service should have an entry in it

### Type

array

## `.status.service.loadBalancer.ingress[].ports[]`

### Type

object

### Required

port

protocol

Property	Type	Description
error	string	Error is to record the problem with the service port The format of the error shall comply with the following rules: - built-in error values shall be specified in this file and those shall use CamelCase names - cloud provider specific error values must have names that comply with the format foo.example.com/CamelCase. --- The regex it matches is (dns1123SubdomainFmt)?(qualifiedNameFmt)

Property	Type	Description
port	integer	Port is the port number of the service port of which status is recorded here
protocol	string	Protocol is the protocol of the service port of which status is recorded here The supported values are: "TCP", "UDP", "SCTP"

## .status.service.ports

### Description

Ports status

### Type

array

## .status.service.ports[]

### Description

ServicePort contains information on service's port.

### Type

object

### Required

port

Property	Type	Description
appProtocol	string	The application protocol for this port. This field follows standard Kubernetes label syntax. Un-prefixed names are reserved for IANA standard service names (as per RFC-

Property	Type	Description
		6335 and <a href="https://www.iana.org/assignments/service-names">https://www.iana.org/assignments/service-names</a> ↗). Non-standard protocols should use prefixed names such as mycompany.com/my-custom-protocol.
name	string	The name of this port within the service. This must be a DNS_LABEL. All ports within a ServiceSpec must have unique names. When considering the endpoints for a Service, this must match the 'name' field in the EndpointPort. Optional if only one ServicePort is defined on this service.
nodePort	integer	The port on each node on which this service is exposed when type is NodePort or LoadBalancer. Usually assigned by the system. If a value is specified, in-range, and not in use it will be used, otherwise the operation will fail. If not specified, a port will be allocated if this Service requires one. If this field is specified when creating a Service which does not need it, creation will fail. This field will be wiped when updating a Service to no longer need it (e.g. changing type from NodePort to ClusterIP). More info: <a href="https://kubernetes.io/docs/concepts/services-networking/service/#type-nodeport">https://kubernetes.io/docs/concepts/services-networking/service/#type-nodeport</a> ↗
port	integer	The port that will be exposed by this service.
protocol	string	The IP protocol for this port. Supports "TCP", "UDP", and "SCTP". Default is TCP.

Property	Type	Description
targetPort		<p>Number or name of the port to access on the pods targeted by the service. Number must be in the range 1 to 65535. Name must be an IANA_SVC_NAME. If this is a string, it will be looked up as a named port in the target Pod's container ports. If this is not specified, the value of the 'port' field is used (an identity map). This field is ignored for services with clusterIP=None, and should be omitted or set equal to the 'port' field. More info: <a href="https://kubernetes.io/docs/concepts/services-networking/service/#defining-a-service">https://kubernetes.io/docs/concepts/services-networking/service/#defining-a-service</a></p>

## API Endpoints

The following API endpoints are available:

- `/apis/asm.alauda.io/v1alpha1/namespaces/{namespace}/gatewaydeploys`
  - **DELETE** : delete collection of GatewayDeploy
  - **GET** : list objects of kind GatewayDeploy
  - **POST** : create a new GatewayDeploy
- `/apis/asm.alauda.io/v1alpha1/namespaces/{namespace}/gatewaydeploys/{name}`
  - **DELETE** : delete the specified GatewayDeploy
  - **GET** : read the specified GatewayDeploy
  - **PATCH** : partially update the specified GatewayDeploy
  - **PUT** : replace the specified GatewayDeploy
- `/apis/asm.alauda.io/v1alpha1/namespaces/{namespace}/gatewaydeploys/{name}/status`
  - **GET** : read status of the specified GatewayDeploy

- **PATCH** : partially update status of the specified GatewayDeploy
- **PUT** : replace status of the specified GatewayDeploy

## /apis/asm.alauda.io/v1alpha1/namespaces/{namespace}/gatewaydeploys

### HTTP method

DELETE

### Description

delete collection of GatewayDeploy

### HTTP responses

HTTP code	Response body
200 - OK	<a href="#">Status</a> schema
401 - Unauthorized	Empty

### HTTP method

GET

### Description

list objects of kind GatewayDeploy

### HTTP responses

HTTP code	Response body
200 - OK	<a href="#">GatewayDeployList</a> schema
401 - Unauthorized	Empty

### HTTP method

POST

### Description

create a new GatewayDeploy

## Query parameters

Parameter	Type	Description
<code>dryRun</code>	<code>string</code>	When present, indicates that modifications should not be persisted. An invalid or unrecognized <code>dryRun</code> directive will result in an error response and no further processing of the request. Valid values are: - All: all dry run stages will be processed
<code>fieldValidation</code>	<code>string</code>	<code>fieldValidation</code> instructs the server on how to handle objects in the request (POST/PUT/PATCH) containing unknown or duplicate fields. Valid values are: - Ignore: This will ignore any unknown fields that are silently dropped from the object, and will ignore all but the last duplicate field that the decoder encounters. This is the default behavior prior to v1.23. - Warn: This will send a warning via the standard warning response header for each unknown field that is dropped from the object, and for each duplicate field that is encountered. The request will still succeed if there are no other errors, and will only persist the last of any duplicate fields. This is the default in v1.23+ - Strict: This will fail the request with a <code>BadRequest</code> error if any unknown fields would be dropped from the object, or if any duplicate fields are present. The error returned from the server will contain all unknown and duplicate fields encountered.

## Body parameters

Parameter	Type	Description
<code>body</code>	<code>GatewayDeploy</code> schema	<code>application/json</code> formatted

## HTTP responses

HTTP code	Response body
200 - OK	<code>GatewayDeploy</code> schema

HTTP code	Response body
201 - Created	<code>GatewayDeploy</code> schema
202 - Accepted	<code>GatewayDeploy</code> schema
401 - Unauthorized	Empty

## /apis/asm.alauda.io/v1alpha1/namespaces/{namespace}/gatewaydeploys/{name}

### HTTP method

DELETE

### Description

delete the specified GatewayDeploy

### Query parameters

Parameter	Type	Description
<code>dryRun</code>	<code>string</code>	When present, indicates that modifications should not be persisted. An invalid or unrecognized dryRun directive will result in an error response and no further processing of the request. Valid values are: - All: all dry run stages will be processed

### HTTP responses

HTTP code	Response body
200 - OK	<code>Status</code> schema
202 - Accepted	<code>Status</code> schema
401 - Unauthorized	Empty

### HTTP method

GET

## Description

read the specified GatewayDeploy

## HTTP responses

HTTP code	Response body
200 - OK	<code>GatewayDeploy</code> schema
401 - Unauthorized	Empty

## HTTP method

PATCH

## Description

partially update the specified GatewayDeploy

## Query parameters

Parameter	Type	Description
<code>dryRun</code>	<code>string</code>	When present, indicates that modifications should not be persisted. An invalid or unrecognized <code>dryRun</code> directive will result in an error response and no further processing of the request. Valid values are: - All: all dry run stages will be processed
<code>fieldValidation</code>	<code>string</code>	<code>fieldValidation</code> instructs the server on how to handle objects in the request (POST/PUT/PATCH) containing unknown or duplicate fields. Valid values are: - Ignore: This will ignore any unknown fields that are silently dropped from the object, and will ignore all but the last duplicate field that the decoder encounters. This is the default behavior prior to v1.23. - Warn: This will send a warning via the standard warning response header for each unknown field that is dropped from the object, and for each duplicate field that is encountered. The request will still succeed if there are no other errors, and will only persist the last of any duplicate fields. This is the default in v1.23+ - Strict: This will fail the

Parameter	Type	Description
		request with a BadRequest error if any unknown fields would be dropped from the object, or if any duplicate fields are present. The error returned from the server will contain all unknown and duplicate fields encountered.

## HTTP responses

HTTP code	Response body
200 - OK	<code>GatewayDeploy</code> schema
401 - Unauthorized	Empty

## HTTP method

PUT

## Description

replace the specified GatewayDeploy

## Query parameters

Parameter	Type	Description
<code>dryRun</code>	<code>string</code>	When present, indicates that modifications should not be persisted. An invalid or unrecognized dryRun directive will result in an error response and no further processing of the request. Valid values are: - All: all dry run stages will be processed
<code>fieldValidation</code>	<code>string</code>	fieldValidation instructs the server on how to handle objects in the request (POST/PUT/PATCH) containing unknown or duplicate fields. Valid values are: - Ignore: This will ignore any unknown fields that are silently dropped from the object, and will ignore all but the last duplicate field that the decoder encounters. This is the default behavior prior to v1.23. - Warn: This will send a warning via the standard warning response header for each unknown field that is dropped from the object, and for each duplicate field that is encountered. The

Parameter	Type	Description
		request will still succeed if there are no other errors, and will only persist the last of any duplicate fields. This is the default in v1.23+ - Strict: This will fail the request with a BadRequest error if any unknown fields would be dropped from the object, or if any duplicate fields are present. The error returned from the server will contain all unknown and duplicate fields encountered.

### Body parameters

Parameter	Type	Description
body	GatewayDeploy schema	application/json formatted

### HTTP responses

HTTP code	Response body
200 - OK	GatewayDeploy schema
201 - Created	GatewayDeploy schema
401 - Unauthorized	Empty

## /apis/asm.alauda.io/v1alpha1/namespaces/{namespace}/gatewaydeploys/{name}/status

### HTTP method

GET

### Description

read status of the specified GatewayDeploy

### HTTP responses

HTTP code	Response body
200 - OK	<code>GatewayDeploy</code> schema
401 - Unauthorized	Empty

## HTTP method

PATCH

## Description

partially update status of the specified GatewayDeploy

## Query parameters

Parameter	Type	Description
<code>dryRun</code>	<code>string</code>	When present, indicates that modifications should not be persisted. An invalid or unrecognized dryRun directive will result in an error response and no further processing of the request. Valid values are: - All: all dry run stages will be processed
<code>fieldValidation</code>	<code>string</code>	fieldValidation instructs the server on how to handle objects in the request (POST/PUT/PATCH) containing unknown or duplicate fields. Valid values are: - Ignore: This will ignore any unknown fields that are silently dropped from the object, and will ignore all but the last duplicate field that the decoder encounters. This is the default behavior prior to v1.23. - Warn: This will send a warning via the standard warning response header for each unknown field that is dropped from the object, and for each duplicate field that is encountered. The request will still succeed if there are no other errors, and will only persist the last of any duplicate fields. This is the default in v1.23+ - Strict: This will fail the request with a BadRequest error if any unknown fields would be dropped from the object, or if any duplicate fields are present. The error returned from the server will contain all unknown and duplicate fields encountered.

## HTTP responses

HTTP code	Response body
200 - OK	<code>GatewayDeploy</code> schema
401 - Unauthorized	Empty

## HTTP method

PUT

## Description

replace status of the specified GatewayDeploy

## Query parameters

Parameter	Type	Description
<code>dryRun</code>	<code>string</code>	When present, indicates that modifications should not be persisted. An invalid or unrecognized dryRun directive will result in an error response and no further processing of the request. Valid values are: - All: all dry run stages will be processed

Parameter	Type	Description
<code>fieldValidation</code>	<code>string</code>	<p><code>fieldValidation</code> instructs the server on how to handle objects in the request (POST/PUT/PATCH) containing unknown or duplicate fields. Valid values are:</p> <ul style="list-style-type: none"> <li>- Ignore: This will ignore any unknown fields that are silently dropped from the object, and will ignore all but the last duplicate field that the decoder encounters. This is the default behavior prior to v1.23.</li> <li>- Warn: This will send a warning via the standard warning response header for each unknown field that is dropped from the object, and for each duplicate field that is encountered. The request will still succeed if there are no other errors, and will only persist the last of any duplicate fields. This is the default in v1.23+.</li> <li>- Strict: This will fail the request with a <code>BadRequest</code> error if any unknown fields would be dropped from the object, or if any duplicate fields are present. The error returned from the server will contain all unknown and duplicate fields encountered.</li> </ul>

## Body parameters

Parameter	Type	Description
<code>body</code>	<code>GatewayDeploy</code> schema	<code>application/json</code> formatted

## HTTP responses

HTTP code	Response body
200 - OK	<code>GatewayDeploy</code> schema
201 - Created	<code>GatewayDeploy</code> schema
401 - Unauthorized	Empty

## Description

GatewayGroup is the Schema for the gatewaygroups API

## Type

object

## Specification

Property	Type	Description
<code>apiVersion</code>	<code>string</code>	APIVersion defines the versioned schema of this representation of an object. Servers should convert recognized schemas to the latest internal value, and may reject unrecognized values. More info: <a href="https://git.k8s.io/community/contributors/devel/sig-architecture/api-conventions.md#resources">https://git.k8s.io/community/contributors/devel/sig-architecture/api-conventions.md#resources</a>
<code>kind</code>	<code>string</code>	Kind is a string value representing the REST resource this object represents. Servers may infer this from the endpoint the client submits requests to. Cannot be updated. In CamelCase. More info: <a href="https://git.k8s.io/community/contributors/devel/sig-architecture/api-conventions.md#types-kinds">https://git.k8s.io/community/contributors/devel/sig-architecture/api-conventions.md#types-kinds</a>

Property	Type	Description
<code>metadata</code>	<code>ObjectMeta</code> ↗	ObjectMeta is metadata that all persisted resources must have, which includes all objects users must create.
<code>spec</code>	<code>object</code>	GatewayGroupSpec defines the desired state of GatewayGroup
<code>status</code>	<code>object</code>	GatewayGroupStatus defines the observed state of GatewayGroup

## .spec

### Description

GatewayGroupSpec defines the desired state of GatewayGroup

### Type

`object`

### Required

`name`

`publish`

Property	Type	Description
<code>apiPrefixPath</code>	<code>string</code>	Access path to the API group.
<code>apiPrefixRule</code>	<code>string</code>	Access rules for the API group.

Property	Type	Description
<code>apiRoute</code>	<code>array</code>	API group.
<code>gateway</code>	<code>string</code>	
<code>host</code>	<code>string</code>	Access method (domain or non-domain).
<code>name</code>	<code>string</code>	Group name.
<code>publish</code>	<code>boolean</code>	Whether to publish.

## `.spec.apiRoute`

### Description

API group.

### Type

`array`

## `.spec.apiRoute[]`

### Type

`object`

### Required

`method`

`msname`

`namespace`

`operationid`

`path`

`port`

Property	Type	Description
<code>method</code>	<code>string</code>	Http Request method.
<code>msname</code>	<code>string</code>	Service name.
<code>namespace</code>	<code>string</code>	namespace.
<code>operationid</code>	<code>string</code>	operation id.
<code>path</code>	<code>string</code>	Request path.
<code>port</code>	<code>integer</code>	Service port.
<code>status</code>	<code>string</code>	Status of group.

## **.status**

### **Description**

GatewayGroupStatus defines the observed state of GatewayGroup

### **Type**

`object`

## **API Endpoints**

The following API endpoints are available:

- `/apis/asm.alauda.io/v1alpha1/namespaces/{namespace}/gatewaygroups`
  - **DELETE** : delete collection of GatewayGroup
  - **GET** : list objects of kind GatewayGroup
  - **POST** : create a new GatewayGroup
- `/apis/asm.alauda.io/v1alpha1/namespaces/{namespace}/gatewaygroups/{name}`
  - **DELETE** : delete the specified GatewayGroup
  - **GET** : read the specified GatewayGroup
  - **PATCH** : partially update the specified GatewayGroup
  - **PUT** : replace the specified GatewayGroup
- `/apis/asm.alauda.io/v1alpha1/namespaces/{namespace}/gatewaygroups/{name}/status`
  - **GET** : read status of the specified GatewayGroup
  - **PATCH** : partially update status of the specified GatewayGroup
  - **PUT** : replace status of the specified GatewayGroup

## `/apis/asm.alauda.io/v1alpha1/namespaces/{namespace}/gatewaygroups`

### HTTP method

**DELETE**

### Description

delete collection of GatewayGroup

### HTTP responses

HTTP code	Response body
200 - OK	<a href="#">Status ↗</a> schema

HTTP code	Response body
401 - Unauthorized	Empty

## HTTP method

GET

## Description

list objects of kind GatewayGroup

## HTTP responses

HTTP code	Response body
200 - OK	<code>GatewayGroupList</code> schema
401 - Unauthorized	Empty

## HTTP method

POST

## Description

create a new GatewayGroup

## Query parameters

Parameter	Type	Description
<code>dryRun</code>	<code>string</code>	When present, indicates that modifications should not be persisted. An invalid or unrecognized <code>dryRun</code> directive will result in an error response and no further processing of the request. Valid values are: - All: all dry run stages will be processed
<code>fieldValidation</code>	<code>string</code>	<code>fieldValidation</code> instructs the server on how to handle objects in the request (POST/PUT/PATCH) containing unknown or duplicate fields. Valid values are: - Ignore: This will ignore any unknown fields that are silently dropped from the object, and will ignore all but the last duplicate field that the decoder encounters. This is the default behavior prior to v1.23. - Warn: This will send a

Parameter	Type	Description
		warning via the standard warning response header for each unknown field that is dropped from the object, and for each duplicate field that is encountered. The request will still succeed if there are no other errors, and will only persist the last of any duplicate fields. This is the default in v1.23+ - Strict: This will fail the request with a BadRequest error if any unknown fields would be dropped from the object, or if any duplicate fields are present. The error returned from the server will contain all unknown and duplicate fields encountered.

### Body parameters

Parameter	Type	Description
body	GatewayGroup schema	application/json formatted

### HTTP responses

HTTP code	Response body
200 - OK	GatewayGroup schema
201 - Created	GatewayGroup schema
202 - Accepted	GatewayGroup schema
401 - Unauthorized	Empty

## /apis/asm.alauda.io/v1alpha1/namespaces/{namespace}/gatewaygroups/{name}

### HTTP method

DELETE

### Description

delete the specified GatewayGroup

### Query parameters

Parameter	Type	Description
<code>dryRun</code>	<code>string</code>	When present, indicates that modifications should not be persisted. An invalid or unrecognized dryRun directive will result in an error response and no further processing of the request. Valid values are: - All: all dry run stages will be processed

### HTTP responses

HTTP code	Response body
200 - OK	<code>Status</code> <a href="#">↗</a> schema
202 - Accepted	<code>Status</code> <a href="#">↗</a> schema
401 - Unauthorized	Empty

### HTTP method

`GET`

### Description

read the specified GatewayGroup

### HTTP responses

HTTP code	Response body
200 - OK	<code>GatewayGroup</code> <a href="#">↗</a> schema
401 - Unauthorized	Empty

### HTTP method

`PATCH`

### Description

partially update the specified GatewayGroup

## Query parameters

Parameter	Type	Description
<code>dryRun</code>	<code>string</code>	When present, indicates that modifications should not be persisted. An invalid or unrecognized <code>dryRun</code> directive will result in an error response and no further processing of the request. Valid values are: - All: all dry run stages will be processed
<code>fieldValidation</code>	<code>string</code>	<code>fieldValidation</code> instructs the server on how to handle objects in the request (POST/PUT/PATCH) containing unknown or duplicate fields. Valid values are: - Ignore: This will ignore any unknown fields that are silently dropped from the object, and will ignore all but the last duplicate field that the decoder encounters. This is the default behavior prior to v1.23. - Warn: This will send a warning via the standard warning response header for each unknown field that is dropped from the object, and for each duplicate field that is encountered. The request will still succeed if there are no other errors, and will only persist the last of any duplicate fields. This is the default in v1.23+ - Strict: This will fail the request with a <code>BadRequest</code> error if any unknown fields would be dropped from the object, or if any duplicate fields are present. The error returned from the server will contain all unknown and duplicate fields encountered.

## HTTP responses

HTTP code	Response body
200 - OK	<code>GatewayGroup</code> schema
401 - Unauthorized	Empty

## HTTP method

`PUT`

## Description

replace the specified GatewayGroup

## Query parameters

Parameter	Type	Description
<code>dryRun</code>	<code>string</code>	When present, indicates that modifications should not be persisted. An invalid or unrecognized <code>dryRun</code> directive will result in an error response and no further processing of the request. Valid values are: - All: all dry run stages will be processed
<code>fieldValidation</code>	<code>string</code>	<code>fieldValidation</code> instructs the server on how to handle objects in the request (POST/PUT/PATCH) containing unknown or duplicate fields. Valid values are: - Ignore: This will ignore any unknown fields that are silently dropped from the object, and will ignore all but the last duplicate field that the decoder encounters. This is the default behavior prior to v1.23. - Warn: This will send a warning via the standard warning response header for each unknown field that is dropped from the object, and for each duplicate field that is encountered. The request will still succeed if there are no other errors, and will only persist the last of any duplicate fields. This is the default in v1.23+ - Strict: This will fail the request with a <code>BadRequest</code> error if any unknown fields would be dropped from the object, or if any duplicate fields are present. The error returned from the server will contain all unknown and duplicate fields encountered.

## Body parameters

Parameter	Type	Description
<code>body</code>	<code>GatewayGroup</code> schema	<code>application/json</code> formatted

## HTTP responses

HTTP code	Response body
200 - OK	<code>GatewayGroup</code> schema
201 - Created	<code>GatewayGroup</code> schema
401 - Unauthorized	Empty

## /apis/asm.alauda.io/v1alpha1/namespaces/{namespace}/gatewaygroups/{name}/status

### HTTP method

GET

### Description

read status of the specified GatewayGroup

### HTTP responses

HTTP code	Response body
200 - OK	<code>GatewayGroup</code> schema
401 - Unauthorized	Empty

### HTTP method

PATCH

### Description

partially update status of the specified GatewayGroup

### Query parameters

Parameter	Type	Description
<code>dryRun</code>	<code>string</code>	When present, indicates that modifications should not be persisted. An invalid or unrecognized dryRun directive will result in an error response and no further

Parameter	Type	Description
		processing of the request. Valid values are: - All: all dry run stages will be processed
<code>fieldValidation</code>	<code>string</code>	<p><code>fieldValidation</code> instructs the server on how to handle objects in the request (POST/PUT/PATCH) containing unknown or duplicate fields. Valid values are: - Ignore: This will ignore any unknown fields that are silently dropped from the object, and will ignore all but the last duplicate field that the decoder encounters. This is the default behavior prior to v1.23. - Warn: This will send a warning via the standard warning response header for each unknown field that is dropped from the object, and for each duplicate field that is encountered. The request will still succeed if there are no other errors, and will only persist the last of any duplicate fields. This is the default in v1.23+ - Strict: This will fail the request with a BadRequest error if any unknown fields would be dropped from the object, or if any duplicate fields are present. The error returned from the server will contain all unknown and duplicate fields encountered.</p>

## HTTP responses

HTTP code	Response body
200 - OK	<code>GatewayGroup</code> schema
401 - Unauthorized	Empty

## HTTP method

`PUT`

## Description

replace status of the specified `GatewayGroup`

## Query parameters

Parameter	Type	Description
<code>dryRun</code>	<code>string</code>	When present, indicates that modifications should not be persisted. An invalid or unrecognized <code>dryRun</code> directive will result in an error response and no further processing of the request. Valid values are: - All: all dry run stages will be processed
<code>fieldValidation</code>	<code>string</code>	<code>fieldValidation</code> instructs the server on how to handle objects in the request (POST/PUT/PATCH) containing unknown or duplicate fields. Valid values are: - Ignore: This will ignore any unknown fields that are silently dropped from the object, and will ignore all but the last duplicate field that the decoder encounters. This is the default behavior prior to v1.23. - Warn: This will send a warning via the standard warning response header for each unknown field that is dropped from the object, and for each duplicate field that is encountered. The request will still succeed if there are no other errors, and will only persist the last of any duplicate fields. This is the default in v1.23+ - Strict: This will fail the request with a <code>BadRequest</code> error if any unknown fields would be dropped from the object, or if any duplicate fields are present. The error returned from the server will contain all unknown and duplicate fields encountered.

## Body parameters

Parameter	Type	Description
<code>body</code>	<code>GatewayGroup</code> schema	<code>application/json</code> formatted

## HTTP responses

HTTP code	Response body
200 - OK	<code>GatewayGroup</code> schema
201 - Created	<code>GatewayGroup</code> schema

HTTP code	Response body
401 - Unauthorized	Empty

## Description

GatewayProjectBinding is the Schema for the gatewayprojectbindings API

## Type

object

## Specification

Property	Type	Description
<code>apiVersion</code>	<code>string</code>	APIVersion defines the versioned schema of this representation of an object. Servers should convert recognized schemas to the latest internal value, and may reject unrecognized values. More info: <a href="https://git.k8s.io/community/contributors/devel/sig-architecture/api-conventions.md#resources">https://git.k8s.io/community/contributors/devel/sig-architecture/api-conventions.md#resources</a>
<code>kind</code>	<code>string</code>	Kind is a string value representing the REST resource this object represents. Servers may infer this from the endpoint the client submits requests to. Cannot be updated. In CamelCase. More info: <a href="https://git.k8s.io/community/contributors/devel/sig-architecture/api-conventions.md#types-kinds">https://git.k8s.io/community/contributors/devel/sig-architecture/api-conventions.md#types-kinds</a>

Property	Type	Description
<code>metadata</code>	<code>ObjectMeta</code> ↗	ObjectMeta is metadata that all persisted resources must have, which includes all objects users must create.
<code>spec</code>	<code>object</code>	GatewayProjectBindingSpec defines the desired state of GatewayProjectBinding
<code>status</code>	<code>object</code>	GatewayProjectBindingStatus defines the observed state of GatewayProjectBinding

## `.spec`

### Description

GatewayProjectBindingSpec defines the desired state of GatewayProjectBinding

### Type

`object`

### Required

`gatewayRef`

Property	Type	Description
<code>gatewayRef</code>	<code>object</code>	Foo is an example field of GatewayProjectBinding. Edit gatewayprojectbinding_types.go to remove/update

## `.spec.gatewayRef`

### Description

Foo is an example field of GatewayProjectBinding. Edit gatewayprojectbinding\_types.go to remove/update

## Type

object

## Required

name

namespace

Property	Type	Description
name	string	
namespace	string	

## .status

### Description

GatewayProjectBindingStatus defines the observed state of GatewayProjectBinding

### Type

object

## API Endpoints

The following API endpoints are available:

- `/apis/asm.alauda.io/v1alpha1/namespaces/{namespace}/gatewayprojectbindings`
  - `DELETE` : delete collection of GatewayProjectBinding
  - `GET` : list objects of kind GatewayProjectBinding
  - `POST` : create a new GatewayProjectBinding
- `/apis/asm.alauda.io/v1alpha1/namespaces/{namespace}/gatewayprojectbindings/{name}`
  - `DELETE` : delete the specified GatewayProjectBinding

- **GET** : read the specified GatewayProjectBinding
- **PATCH** : partially update the specified GatewayProjectBinding
- **PUT** : replace the specified GatewayProjectBinding
- `/apis/asm.alauda.io/v1alpha1/namespaces/{namespace}/gatewayprojectbindings/{name}/status`
  - **GET** : read status of the specified GatewayProjectBinding
  - **PATCH** : partially update status of the specified GatewayProjectBinding
  - **PUT** : replace status of the specified GatewayProjectBinding

## `/apis/asm.alauda.io/v1alpha1/namespaces/{namespace}/gatewayprojectbindings`

### HTTP method

**DELETE**

### Description

delete collection of GatewayProjectBinding

### HTTP responses

HTTP code	Response body
200 - OK	<a href="#">Status</a> schema
401 - Unauthorized	Empty

### HTTP method

**GET**

### Description

list objects of kind GatewayProjectBinding

### HTTP responses

HTTP code	Response body
200 - OK	<code>GatewayProjectBindingList</code> schema
401 - Unauthorized	Empty

## HTTP method

POST

## Description

create a new `GatewayProjectBinding`

## Query parameters

Parameter	Type	Description
<code>dryRun</code>	<code>string</code>	When present, indicates that modifications should not be persisted. An invalid or unrecognized <code>dryRun</code> directive will result in an error response and no further processing of the request. Valid values are: - All: all dry run stages will be processed
<code>fieldValidation</code>	<code>string</code>	<code>fieldValidation</code> instructs the server on how to handle objects in the request (POST/PUT/PATCH) containing unknown or duplicate fields. Valid values are: - Ignore: This will ignore any unknown fields that are silently dropped from the object, and will ignore all but the last duplicate field that the decoder encounters. This is the default behavior prior to v1.23. - Warn: This will send a warning via the standard warning response header for each unknown field that is dropped from the object, and for each duplicate field that is encountered. The request will still succeed if there are no other errors, and will only persist the last of any duplicate fields. This is the default in v1.23+ - Strict: This will fail the request with a <code>BadRequest</code> error if any unknown fields would be dropped from the object, or if any duplicate fields are present. The error returned from the server will contain all unknown and duplicate fields encountered.

## Body parameters

Parameter	Type	Description
body	GatewayProjectBinding schema	application/json formatted

## HTTP responses

HTTP code	Response body
200 - OK	GatewayProjectBinding schema
201 - Created	GatewayProjectBinding schema
202 - Accepted	GatewayProjectBinding schema
401 - Unauthorized	Empty

## /apis/asm.alauda.io/v1alpha1/namespaces/{namespace}/gatewayprojectbindings/{name}

### HTTP method

DELETE

### Description

delete the specified GatewayProjectBinding

### Query parameters

Parameter	Type	Description
dryRun	string	When present, indicates that modifications should not be persisted. An invalid or unrecognized dryRun directive will result in an error response and no further processing of the request. Valid values are: - All: all dry run stages will be processed

### HTTP responses

HTTP code	Response body
200 - OK	<code>Status</code> schema
202 - Accepted	<code>Status</code> schema
401 - Unauthorized	Empty

## HTTP method

GET

## Description

read the specified GatewayProjectBinding

## HTTP responses

HTTP code	Response body
200 - OK	<code>GatewayProjectBinding</code> schema
401 - Unauthorized	Empty

## HTTP method

PATCH

## Description

partially update the specified GatewayProjectBinding

## Query parameters

Parameter	Type	Description
<code>dryRun</code>	<code>string</code>	When present, indicates that modifications should not be persisted. An invalid or unrecognized dryRun directive will result in an error response and no further processing of the request. Valid values are: - All: all dry run stages will be processed
<code>fieldValidation</code>	<code>string</code>	fieldValidation instructs the server on how to handle objects in the request (POST/PUT/PATCH) containing unknown or duplicate fields. Valid values are: - Ignore:

Parameter	Type	Description
		<p>This will ignore any unknown fields that are silently dropped from the object, and will ignore all but the last duplicate field that the decoder encounters. This is the default behavior prior to v1.23. - Warn: This will send a warning via the standard warning response header for each unknown field that is dropped from the object, and for each duplicate field that is encountered. The request will still succeed if there are no other errors, and will only persist the last of any duplicate fields. This is the default in v1.23+ - Strict: This will fail the request with a BadRequest error if any unknown fields would be dropped from the object, or if any duplicate fields are present. The error returned from the server will contain all unknown and duplicate fields encountered.</p>

## HTTP responses

HTTP code	Response body
200 - OK	<code>GatewayProjectBinding</code> schema
401 - Unauthorized	Empty

## HTTP method

PUT

## Description

replace the specified GatewayProjectBinding

## Query parameters

Parameter	Type	Description
<code>dryRun</code>	<code>string</code>	<p>When present, indicates that modifications should not be persisted. An invalid or unrecognized dryRun directive will result in an error response and no further processing of the request. Valid values are: - All: all dry run stages will be processed</p>

Parameter	Type	Description
<code>fieldValidation</code>	<code>string</code>	<p><code>fieldValidation</code> instructs the server on how to handle objects in the request (POST/PUT/PATCH) containing unknown or duplicate fields. Valid values are:</p> <ul style="list-style-type: none"> <li>- Ignore: This will ignore any unknown fields that are silently dropped from the object, and will ignore all but the last duplicate field that the decoder encounters. This is the default behavior prior to v1.23.</li> <li>- Warn: This will send a warning via the standard warning response header for each unknown field that is dropped from the object, and for each duplicate field that is encountered. The request will still succeed if there are no other errors, and will only persist the last of any duplicate fields. This is the default in v1.23+.</li> <li>- Strict: This will fail the request with a <code>BadRequest</code> error if any unknown fields would be dropped from the object, or if any duplicate fields are present. The error returned from the server will contain all unknown and duplicate fields encountered.</li> </ul>

### Body parameters

Parameter	Type	Description
<code>body</code>	<code>GatewayProjectBinding</code> schema	<code>application/json</code> formatted

### HTTP responses

HTTP code	Response body
200 - OK	<code>GatewayProjectBinding</code> schema
201 - Created	<code>GatewayProjectBinding</code> schema
401 - Unauthorized	Empty

**`/apis/asm.alauda.io/v1alpha1/namespaces/{namespace}/gatewayprojectbindings/{name}/status`**

## HTTP method

GET

## Description

read status of the specified GatewayProjectBinding

## HTTP responses

HTTP code	Response body
200 - OK	<code>GatewayProjectBinding</code> schema
401 - Unauthorized	Empty

## HTTP method

PATCH

## Description

partially update status of the specified GatewayProjectBinding

## Query parameters

Parameter	Type	Description
<code>dryRun</code>	<code>string</code>	When present, indicates that modifications should not be persisted. An invalid or unrecognized <code>dryRun</code> directive will result in an error response and no further processing of the request. Valid values are: - All: all dry run stages will be processed
<code>fieldValidation</code>	<code>string</code>	<code>fieldValidation</code> instructs the server on how to handle objects in the request (POST/PUT/PATCH) containing unknown or duplicate fields. Valid values are: - Ignore: This will ignore any unknown fields that are silently dropped from the object, and will ignore all but the last duplicate field that the decoder encounters. This is the default behavior prior to v1.23. - Warn: This will send a warning via the standard warning response header for each unknown field that is dropped from the object, and for each duplicate field that is encountered. The request will still succeed if there are no other errors, and will only persist the last of any duplicate fields.

Parameter	Type	Description
		This is the default in v1.23+ - Strict: This will fail the request with a BadRequest error if any unknown fields would be dropped from the object, or if any duplicate fields are present. The error returned from the server will contain all unknown and duplicate fields encountered.

## HTTP responses

HTTP code	Response body
200 - OK	<code>GatewayProjectBinding</code> schema
401 - Unauthorized	Empty

## HTTP method

PUT

## Description

replace status of the specified `GatewayProjectBinding`

## Query parameters

Parameter	Type	Description
<code>dryRun</code>	<code>string</code>	When present, indicates that modifications should not be persisted. An invalid or unrecognized <code>dryRun</code> directive will result in an error response and no further processing of the request. Valid values are: - All: all dry run stages will be processed
<code>fieldValidation</code>	<code>string</code>	<code>fieldValidation</code> instructs the server on how to handle objects in the request (POST/PUT/PATCH) containing unknown or duplicate fields. Valid values are: - Ignore: This will ignore any unknown fields that are silently dropped from the object, and will ignore all but the last duplicate field that the decoder encounters. This is the default behavior prior to v1.23. - Warn: This will send a warning via the standard warning response header for each unknown field that is dropped from the object,

Parameter	Type	Description
		and for each duplicate field that is encountered. The request will still succeed if there are no other errors, and will only persist the last of any duplicate fields. This is the default in v1.23+ - Strict: This will fail the request with a BadRequest error if any unknown fields would be dropped from the object, or if any duplicate fields are present. The error returned from the server will contain all unknown and duplicate fields encountered.

## Body parameters

Parameter	Type	Description
body	GatewayProjectBinding schema	application/json formatted

## HTTP responses

HTTP code	Response body
200 - OK	GatewayProjectBinding schema
201 - Created	GatewayProjectBinding schema
401 - Unauthorized	Empty

## Description

GlobalRateLimiter is the Schema for the globalratelimiters API

## Type

object

## Specification

Property	Type	Description
<code>apiVersion</code>	<code>string</code>	APIVersion defines the versioned schema of this representation of an object. Servers should convert recognized schemas to the latest internal value, and may reject unrecognized values. More info: <a href="https://git.k8s.io/community/contributors/devel/sig-architecture/api-conventions.md#resources">https://git.k8s.io/community/contributors/devel/sig-architecture/api-conventions.md#resources</a>
<code>kind</code>	<code>string</code>	Kind is a string value representing the REST resource this object represents. Servers may infer this from the endpoint the client submits requests to. Cannot be updated. In CamelCase. More info: <a href="https://git.k8s.io/community/contributors/devel/sig-architecture/api-conventions.md#types-kinds">https://git.k8s.io/community/contributors/devel/sig-architecture/api-conventions.md#types-kinds</a>

Property	Type	Description
<code>metadata</code>	<code>ObjectMeta</code> ↗	ObjectMeta is metadata that all persisted resources must have, which includes all objects users must create.
<code>spec</code>	<code>object</code>	GlobalRateLimiterSpec defines the desired state of GlobalRateLimiter
<code>status</code>	<code>object</code>	GlobalRateLimiterStatus defines the observed state of GlobalRateLimiter

## .spec

### Description

GlobalRateLimiterSpec defines the desired state of GlobalRateLimiter

### Type

`object`

### Required

`domain`

`failureModeDeny`

`rules`

`serviceType`

Property	Type	Description
<code>domain</code>	<code>string</code>	The domain to limit (globally unique).
<code>failureModeDeny</code>	<code>boolean</code>	Failure to deny access mode.

Property	Type	Description
<code>rules</code>	<code>array</code>	List of rate limit rule.
<code>serviceType</code>	<code>string</code>	Service type.

## `.spec.rules`

### Description

List of rate limit rule.

### Type

`array`

## `.spec.rules[]`

### Type

`object`

### Required

`descriptors`

`name`

`rateLimit`

Property	Type	Description
<code>descriptors</code>	<code>array</code>	List of rate limit description information.
<code>name</code>	<code>string</code>	Name.

Property	Type	Description
<code>rateLimit</code>	<code>object</code>	Current limit value configuration.
<code>shadowMode</code>	<code>boolean</code>	Shadow mode.
<code>updatedUtc</code>	<code>integer</code>	Timestamp of update time(s).

## `.spec.rules[].descriptors`

### Description

List of rate limit description information.

### Type

`array`

## `.spec.rules[].descriptors[]`

### Type

`object`

### Required

`kind` `match`

Property	Type	Description
<code>kind</code>	<code>string</code>	Kind of rate limits.

Property	Type	Description
<code>match</code>	<code>object</code>	Rate limit matching.

## `.spec.rules[].descriptors[].match`

### Description

Rate limit matching.

### Type

`object`

### Required

`method`

Property	Type	Description
<code>key</code>	<code>string</code>	Match item (required for request header matching).
<code>method</code>	<code>string</code>	Match method.
<code>value</code>	<code>string</code>	Match value.

## `.spec.rules[].rateLimit`

### Description

Current limit value configuration.

### Type

`object`

Property	Type	Description
<code>fixedWindow</code>	<code>object</code>	Fixed window.

## `.spec.rules[].rateLimit.fixedWindow`

### Description

Fixed window.

### Type

`object`

### Required

`requestsPerUnit` `unit`

Property	Type	Description
<code>requestsPerUnit</code>	<code>integer</code>	Number of requests per time unit.
<code>unit</code>	<code>string</code>	Time unit.

## `.status`

### Description

`GlobalRateLimiterStatus` defines the observed state of `GlobalRateLimiter`

### Type

`object`

## API Endpoints

The following API endpoints are available:

- `/apis/asm.alauda.io/v1alpha1/namespaces/{namespace}/globalratelimiters`
  - **DELETE** : delete collection of GlobalRateLimiter
  - **GET** : list objects of kind GlobalRateLimiter
  - **POST** : create a new GlobalRateLimiter
- `/apis/asm.alauda.io/v1alpha1/namespaces/{namespace}/globalratelimiters/{name}`
  - **DELETE** : delete the specified GlobalRateLimiter
  - **GET** : read the specified GlobalRateLimiter
  - **PATCH** : partially update the specified GlobalRateLimiter
  - **PUT** : replace the specified GlobalRateLimiter
- `/apis/asm.alauda.io/v1alpha1/namespaces/{namespace}/globalratelimiters/{name}/status`
  - **GET** : read status of the specified GlobalRateLimiter
  - **PATCH** : partially update status of the specified GlobalRateLimiter
  - **PUT** : replace status of the specified GlobalRateLimiter

## `/apis/asm.alauda.io/v1alpha1/namespaces/{namespace}/globalratelimiters`

### HTTP method

**DELETE**

### Description

delete collection of GlobalRateLimiter

### HTTP responses

HTTP code	Response body
200 - OK	<a href="#">Status</a> schema

HTTP code	Response body
401 - Unauthorized	Empty

## HTTP method

GET

## Description

list objects of kind GlobalRateLimiter

## HTTP responses

HTTP code	Response body
200 - OK	<code>GlobalRateLimiterList</code> schema
401 - Unauthorized	Empty

## HTTP method

POST

## Description

create a new GlobalRateLimiter

## Query parameters

Parameter	Type	Description
<code>dryRun</code>	<code>string</code>	When present, indicates that modifications should not be persisted. An invalid or unrecognized <code>dryRun</code> directive will result in an error response and no further processing of the request. Valid values are: - All: all dry run stages will be processed
<code>fieldValidation</code>	<code>string</code>	<code>fieldValidation</code> instructs the server on how to handle objects in the request (POST/PUT/PATCH) containing unknown or duplicate fields. Valid values are: - Ignore: This will ignore any unknown fields that are silently dropped from the object, and will ignore all but the last duplicate field that the decoder encounters. This is the default behavior prior to v1.23. - Warn: This will send a

Parameter	Type	Description
		warning via the standard warning response header for each unknown field that is dropped from the object, and for each duplicate field that is encountered. The request will still succeed if there are no other errors, and will only persist the last of any duplicate fields. This is the default in v1.23+ - Strict: This will fail the request with a BadRequest error if any unknown fields would be dropped from the object, or if any duplicate fields are present. The error returned from the server will contain all unknown and duplicate fields encountered.

### Body parameters

Parameter	Type	Description
body	GlobalRateLimiter schema	application/json formatted

### HTTP responses

HTTP code	Response body
200 - OK	GlobalRateLimiter schema
201 - Created	GlobalRateLimiter schema
202 - Accepted	GlobalRateLimiter schema
401 - Unauthorized	Empty

## /apis/asm.alauda.io/v1alpha1/namespaces/{namespace}/globalratelimiters/{name}

### HTTP method

DELETE

### Description

delete the specified GlobalRateLimiter

## Query parameters

Parameter	Type	Description
<code>dryRun</code>	<code>string</code>	When present, indicates that modifications should not be persisted. An invalid or unrecognized dryRun directive will result in an error response and no further processing of the request. Valid values are: - All: all dry run stages will be processed

## HTTP responses

HTTP code	Response body
200 - OK	<code>Status</code> schema
202 - Accepted	<code>Status</code> schema
401 - Unauthorized	Empty

## HTTP method

`GET`

## Description

read the specified GlobalRateLimiter

## HTTP responses

HTTP code	Response body
200 - OK	<code>GlobalRateLimiter</code> schema
401 - Unauthorized	Empty

## HTTP method

`PATCH`

## Description

partially update the specified GlobalRateLimiter

## Query parameters

Parameter	Type	Description
<code>dryRun</code>	<code>string</code>	When present, indicates that modifications should not be persisted. An invalid or unrecognized <code>dryRun</code> directive will result in an error response and no further processing of the request. Valid values are: - All: all dry run stages will be processed
<code>fieldValidation</code>	<code>string</code>	<code>fieldValidation</code> instructs the server on how to handle objects in the request (POST/PUT/PATCH) containing unknown or duplicate fields. Valid values are: - Ignore: This will ignore any unknown fields that are silently dropped from the object, and will ignore all but the last duplicate field that the decoder encounters. This is the default behavior prior to v1.23. - Warn: This will send a warning via the standard warning response header for each unknown field that is dropped from the object, and for each duplicate field that is encountered. The request will still succeed if there are no other errors, and will only persist the last of any duplicate fields. This is the default in v1.23+ - Strict: This will fail the request with a <code>BadRequest</code> error if any unknown fields would be dropped from the object, or if any duplicate fields are present. The error returned from the server will contain all unknown and duplicate fields encountered.

## HTTP responses

HTTP code	Response body
200 - OK	<code>GlobalRateLimiter</code> schema
401 - Unauthorized	Empty

## HTTP method

`PUT`

## Description

replace the specified GlobalRateLimiter

## Query parameters

Parameter	Type	Description
<code>dryRun</code>	<code>string</code>	When present, indicates that modifications should not be persisted. An invalid or unrecognized dryRun directive will result in an error response and no further processing of the request. Valid values are: - All: all dry run stages will be processed
<code>fieldValidation</code>	<code>string</code>	fieldValidation instructs the server on how to handle objects in the request (POST/PUT/PATCH) containing unknown or duplicate fields. Valid values are: - Ignore: This will ignore any unknown fields that are silently dropped from the object, and will ignore all but the last duplicate field that the decoder encounters. This is the default behavior prior to v1.23. - Warn: This will send a warning via the standard warning response header for each unknown field that is dropped from the object, and for each duplicate field that is encountered. The request will still succeed if there are no other errors, and will only persist the last of any duplicate fields. This is the default in v1.23+ - Strict: This will fail the request with a BadRequest error if any unknown fields would be dropped from the object, or if any duplicate fields are present. The error returned from the server will contain all unknown and duplicate fields encountered.

## Body parameters

Parameter	Type	Description
<code>body</code>	<code>GlobalRateLimiter</code> schema	<code>application/json</code> formatted

## HTTP responses

HTTP code	Response body
200 - OK	<code>GlobalRateLimiter</code> schema
201 - Created	<code>GlobalRateLimiter</code> schema
401 - Unauthorized	Empty

## /apis/asm.alauda.io/v1alpha1/namespaces/{namespace}/globalratelimiters/{name}/status

### HTTP method

GET

### Description

read status of the specified GlobalRateLimiter

### HTTP responses

HTTP code	Response body
200 - OK	<code>GlobalRateLimiter</code> schema
401 - Unauthorized	Empty

### HTTP method

PATCH

### Description

partially update status of the specified GlobalRateLimiter

### Query parameters

Parameter	Type	Description
<code>dryRun</code>	<code>string</code>	When present, indicates that modifications should not be persisted. An invalid or unrecognized dryRun directive will result in an error response and no further

Parameter	Type	Description
		processing of the request. Valid values are: - All: all dry run stages will be processed
<code>fieldValidation</code>	<code>string</code>	<p><code>fieldValidation</code> instructs the server on how to handle objects in the request (POST/PUT/PATCH) containing unknown or duplicate fields. Valid values are: - Ignore: This will ignore any unknown fields that are silently dropped from the object, and will ignore all but the last duplicate field that the decoder encounters. This is the default behavior prior to v1.23. - Warn: This will send a warning via the standard warning response header for each unknown field that is dropped from the object, and for each duplicate field that is encountered. The request will still succeed if there are no other errors, and will only persist the last of any duplicate fields. This is the default in v1.23+ - Strict: This will fail the request with a BadRequest error if any unknown fields would be dropped from the object, or if any duplicate fields are present. The error returned from the server will contain all unknown and duplicate fields encountered.</p>

## HTTP responses

HTTP code	Response body
200 - OK	<code>GlobalRateLimiter</code> schema
401 - Unauthorized	Empty

## HTTP method

`PUT`

## Description

replace status of the specified `GlobalRateLimiter`

## Query parameters

Parameter	Type	Description
<code>dryRun</code>	<code>string</code>	When present, indicates that modifications should not be persisted. An invalid or unrecognized <code>dryRun</code> directive will result in an error response and no further processing of the request. Valid values are: - All: all dry run stages will be processed
<code>fieldValidation</code>	<code>string</code>	<code>fieldValidation</code> instructs the server on how to handle objects in the request (POST/PUT/PATCH) containing unknown or duplicate fields. Valid values are: - Ignore: This will ignore any unknown fields that are silently dropped from the object, and will ignore all but the last duplicate field that the decoder encounters. This is the default behavior prior to v1.23. - Warn: This will send a warning via the standard warning response header for each unknown field that is dropped from the object, and for each duplicate field that is encountered. The request will still succeed if there are no other errors, and will only persist the last of any duplicate fields. This is the default in v1.23+ - Strict: This will fail the request with a <code>BadRequest</code> error if any unknown fields would be dropped from the object, or if any duplicate fields are present. The error returned from the server will contain all unknown and duplicate fields encountered.

## Body parameters

Parameter	Type	Description
<code>body</code>	<code>GlobalRateLimiter</code> schema	<code>application/json</code> formatted

## HTTP responses

HTTP code	Response body
200 - OK	<code>GlobalRateLimiter</code> schema
201 - Created	<code>GlobalRateLimiter</code> schema

HTTP code	Response body
401 - Unauthorized	Empty

## Description

IngressGateway is the Schema for the ingressgateways API

## Type

object

## Specification

Property	Type	Description
<code>apiVersion</code>	<code>string</code>	APIVersion defines the versioned schema of this representation of an object. Servers should convert recognized schemas to the latest internal value, and may reject unrecognized values. More info: <a href="https://git.k8s.io/community/contributors/devel/sig-architecture/api-conventions.md#resources">https://git.k8s.io/community/contributors/devel/sig-architecture/api-conventions.md#resources</a>
<code>kind</code>	<code>string</code>	Kind is a string value representing the REST resource this object represents. Servers may infer this from the endpoint the client submits requests to. Cannot be updated. In CamelCase. More info: <a href="https://git.k8s.io/community/contributors/devel/sig-architecture/api-conventions.md#types-kinds">https://git.k8s.io/community/contributors/devel/sig-architecture/api-conventions.md#types-kinds</a>

Property	Type	Description
<code>metadata</code>	<code>ObjectMeta</code> ↗	ObjectMeta is metadata that all persisted resources must have, which includes all objects users must create.
<code>spec</code>	<code>object</code>	IngressGatewaySpec defines the desired state of IngressGateway
<code>status</code>	<code>object</code>	IngressGatewayStatus defines the observed state of IngressGateway

## .spec

### Description

IngressGatewaySpec defines the desired state of IngressGateway

### Type

`object`

### Required

`port`

Property	Type	Description
<code>corsPolicy</code>	<code>object</code>	CORS configuration.
<code>gateway</code>	<code>object</code>	GatewayDeploy

Property	Type	Description
gatewayGroupsRef	array	The associated API group.
host	string	Access mode.
httpRoute	object	HTTP route config.
patches	array	List of patches to apply to root virtualservice.
port	object	Port info.
ports	object	Port details.
serviceRoutes	array	The associated service route.
tcpRoute	object	TCP route config
tcpRoutes	array	The associated TCP service route.
tlsDomain	string	TLSDomain which come out of TLS secret

# .spec.corsPolicy

## Description

CORS configuration.

## Type

object

## Required

configType

enabled

Property	Type	Description
allowCredentials	boolean	Whether to allow the browser to read the contents of the response.
allowHeaders	array	The list of request headers that the server allows for cross-origin requests.
allowMethods	array	The list of cross-origin request methods allowed by the server.
allowOrigins	array	The server allows cross-origin requests for the list of domains.
configType	string	CORS type. The value range is simple or advance, which means "basic configuration" and "advanced configuration" respectively.

Property	Type	Description
<code>enabled</code>	<code>boolean</code>	Whether to enable CORS.
<code>exposeHeaders</code>	<code>array</code>	A list of headers that the server allows browsers with cross-origin requests to access.
<code>maxAge</code>	<code>string</code>	Cross-origin preflight request cache time.

## `.spec.corsPolicy.allowHeaders`

### Description

The list of request headers that the server allows for cross-origin requests.

### Type

`array`

## `.spec.corsPolicy.allowHeaders[]`

### Type

`string`

## `.spec.corsPolicy.allowMethods`

### Description

The list of cross-origin request methods allowed by the server.

### Type

`array`

## `.spec.corsPolicy.allowMethods[]`

### Type

`string`

## `.spec.corsPolicy.allowOrigins`

### Description

The server allows cross-origin requests for the list of domains.

### Type

`array`

## `.spec.corsPolicy.allowOrigins[]`

### Type

`object`

Property	Type	Description
<code>type</code>	<code>string</code>	Match method.
<code>value</code>	<code>string</code>	Value.

## `.spec.corsPolicy.exposeHeaders`

### Description

A list of headers that the server allows browsers with cross-origin requests to access.

### Type

`array`

## `.spec.corsPolicy.exposeHeaders[]`

### Type

`string`

## `.spec.gateway`

### Description

GatewayDeploy

### Type

`object`

### Required

`name``namespace`

Property	Type	Description
<code>name</code>	<code>string</code>	The name of gateway.
<code>namespace</code>	<code>string</code>	The namespace of gateway.

## `.spec.gatewayGroupsRef`

### Description

The associated API group.

### Type

`array`

## `.spec.gatewayGroupsRef[]`

### Type

object

**Required**

apiPrefixPath

apiPrefixRule

name

Property	Type	Description
apiPrefixPath	string	Access path.
apiPrefixRule	string	Access rule.
corsPolicy	object	CORS configuration.
name	string	Group name.

**.spec.gatewayGroupsRef[].corsPolicy****Description**

CORS configuration.

**Type**

object

**Required**

configType

enabled

Property	Type	Description
allowCredentials	boolean	Whether to allow the browser to read the contents of the response.

Property	Type	Description
<code>allowHeaders</code>	<code>array</code>	The list of request headers that the server allows for cross-origin requests.
<code>allowMethods</code>	<code>array</code>	The list of cross-origin request methods allowed by the server.
<code>allowOrigins</code>	<code>array</code>	The server allows cross-origin requests for the list of domains.
<code>configType</code>	<code>string</code>	CORS type. The value range is simple or advance, which means "basic configuration" and "advanced configuration" respectively.
<code>enabled</code>	<code>boolean</code>	Whether to enable CORS.
<code>exposeHeaders</code>	<code>array</code>	A list of headers that the server allows browsers with cross-origin requests to access.
<code>maxAge</code>	<code>string</code>	Cross-origin preflight request cache time.

## `.spec.gatewayGroupsRef[].corsPolicy.allowHeaders`

### Description

The list of request headers that the server allows for cross-origin requests.

**Type**

array

**.spec.gatewayGroupsRef[].corsPolicy.allowHeaders[]****Type**

string

**.spec.gatewayGroupsRef[].corsPolicy.allowMethods****Description**

The list of cross-origin request methods allowed by the server.

**Type**

array

**.spec.gatewayGroupsRef[].corsPolicy.allowMethods[]****Type**

string

**.spec.gatewayGroupsRef[].corsPolicy.allowOrigins****Description**

The server allows cross-origin requests for the list of domains.

**Type**

array

**.spec.gatewayGroupsRef[].corsPolicy.allowOrigins[]****Type**

object

Property	Type	Description
type	string	Match method.
value	string	Value.

## `.spec.gatewayGroupsRef[].corsPolicy.exposeHeaders`

### Description

A list of headers that the server allows browsers with cross-origin requests to access.

### Type

array

## `.spec.gatewayGroupsRef[].corsPolicy.exposeHeaders[]`

### Type

string

## `.spec.httpRoute`

### Description

HTTP route config.

### Type

object

### Required

matchType

uri

Property	Type	Description
<code>corsPolicy</code>	<code>object</code>	CORS configuration.
<code>headers</code>	<code>array</code>	Match headers.
<code>matchType</code>	<code>string</code>	Match method.
<code>name</code>	<code>string</code>	Service name.
<code>namespace</code>	<code>string</code>	Service namespace.
<code>port</code>	<code>integer</code>	Service port.
<code>redirect</code>	<code>object</code>	Redirect configuration, new attribute in release3.14.
<code>rewrite</code>	<code>string</code>	Request rewrite.
<code>uri</code>	<code>string</code>	Request path.

## `.spec.httpRoute.corsPolicy`

### Description

CORS configuration.

## Type

`object`

## Required

`configType``enabled`

Property	Type	Description
<code>allowCredentials</code>	<code>boolean</code>	Whether to allow the browser to read the contents of the response.
<code>allowHeaders</code>	<code>array</code>	The list of request headers that the server allows for cross-origin requests.
<code>allowMethods</code>	<code>array</code>	The list of cross-origin request methods allowed by the server.
<code>allowOrigins</code>	<code>array</code>	The server allows cross-origin requests for the list of domains.
<code>configType</code>	<code>string</code>	CORS type. The value range is simple or advance, which means "basic configuration" and "advanced configuration" respectively.
<code>enabled</code>	<code>boolean</code>	Whether to enable CORS.

Property	Type	Description
<code>exposeHeaders</code>	<code>array</code>	A list of headers that the server allows browsers with cross-origin requests to access.
<code>maxAge</code>	<code>string</code>	Cross-origin preflight request cache time.

## `.spec.httpRoute.corsPolicy.allowHeaders`

### Description

The list of request headers that the server allows for cross-origin requests.

### Type

`array`

## `.spec.httpRoute.corsPolicy.allowHeaders[]`

### Type

`string`

## `.spec.httpRoute.corsPolicy.allowMethods`

### Description

The list of cross-origin request methods allowed by the server.

### Type

`array`

## `.spec.httpRoute.corsPolicy.allowMethods[]`

### Type

`string`

## `.spec.httpRoute.corsPolicy.allowOrigins`

### Description

The server allows cross-origin requests for the list of domains.

### Type

array

## `.spec.httpRoute.corsPolicy.allowOrigins[]`

### Type

object

Property	Type	Description
<code>type</code>	<code>string</code>	Match method.
<code>value</code>	<code>string</code>	Value.

## `.spec.httpRoute.corsPolicy.exposeHeaders`

### Description

A list of headers that the server allows browsers with cross-origin requests to access.

### Type

array

## `.spec.httpRoute.corsPolicy.exposeHeaders[]`

### Type

string

## `.spec.httpRoute.headers`

### Description

Match headers.

### Type

array

## `.spec.httpRoute.headers[]`

### Type

object

Property	Type	Description
<code>key</code>	<code>string</code>	Key.
<code>type</code>	<code>string</code>	Match method.
<code>value</code>	<code>string</code>	Value.

## `.spec.httpRoute.redirect`

### Description

Redirect configuration, new attribute in release3.14.

### Type

object

Property	Type	Description
<code>httpsRedirect</code>	<code>boolean</code>	
<code>location</code>	<code>string</code>	
<code>redirectCode</code>	<code>integer</code>	

## `.spec.patches`

### Description

List of patches to apply to root virtualservice.

### Type

`array`

## `.spec.patches[]`

### Type

`object`

Property	Type	Description
<code>path</code>	<code>string</code>	Path of the form a.[key1:value1].b[:value2] Where [key1:value1] is a selector for a key-value pair to identify a list element and [:value] is a value selector to identify a list element in a leaf list. All path intermediate nodes must exist.

Property	Type	Description
value		Value to add, delete or replace. For add, the path should be a new leaf. For delete, value should be unset. For replace, path should reference an existing node. All values are strings but are converted into appropriate type based on schema.

## .spec.port

### Description

Port info.

### Type

object

### Required

name

Property	Type	Description
name	string	Port name, in the formatted of "protocol-port".

## .spec.ports

### Description

Port details.

### Type

object

### Required

group

Property	Type	Description
<code>detail</code>	<code>array</code>	Port details.
<code>group</code>	<code>string</code>	Group name.

## `.spec.ports.detail`

### Description

Port details.

### Type

`array`

## `.spec.ports.detail[]`

### Type

`object`

### Required

`port`

`protocol`

`targetPort`

Property	Type	Description
<code>nodePort</code>	<code>integer</code>	Node port.
<code>port</code>	<code>integer</code>	Service port.

Property	Type	Description
<code>protocol</code>	<code>string</code>	Protocal type.
<code>targetPort</code>	<code>integer</code>	Container port.

## `.spec.serviceRoutes`

### Description

The associated service route.

### Type

`array`

## `.spec.serviceRoutes[]`

### Type

`object`

### Required

`matchType`

`msName`

`msNamespace`

`msPort`

`publish`

`uri`

Property	Type	Description
<code>corsPolicy</code>	<code>object</code>	CORS configuration.
<code>headers</code>	<code>array</code>	Header.

Property	Type	Description
<code>matchType</code>	<code>string</code>	Match method.
<code>msName</code>	<code>string</code>	Service name.
<code>msNamespace</code>	<code>string</code>	Namespace where the service is located.
<code>msPort</code>	<code>integer</code>	Service port.
<code>publish</code>	<code>boolean</code>	Whether to publish.
<code>rewrite</code>	<code>string</code>	Request rewrite.
<code>uri</code>	<code>string</code>	Request path.

## `.spec.serviceRoutes[].corsPolicy`

### Description

CORS configuration.

### Type

`object`

### Required

`configType`

`enabled`

Property	Type	Description
<code>allowCredentials</code>	<code>boolean</code>	Whether to allow the browser to read the contents of the response.
<code>allowHeaders</code>	<code>array</code>	The list of request headers that the server allows for cross-origin requests.
<code>allowMethods</code>	<code>array</code>	The list of cross-origin request methods allowed by the server.
<code>allowOrigins</code>	<code>array</code>	The server allows cross-origin requests for the list of domains.
<code>configType</code>	<code>string</code>	CORS type. The value range is simple or advance, which means "basic configuration" and "advanced configuration" respectively.
<code>enabled</code>	<code>boolean</code>	Whether to enable CORS.
<code>exposeHeaders</code>	<code>array</code>	A list of headers that the server allows browsers with cross-origin requests to access.
<code>maxAge</code>	<code>string</code>	Cross-origin preflight request cache time.

## `.spec.serviceRoutes[].corsPolicy.allowHeaders`

### Description

The list of request headers that the server allows for cross-origin requests.

### Type

array

## `.spec.serviceRoutes[].corsPolicy.allowHeaders[]`

### Type

string

## `.spec.serviceRoutes[].corsPolicy.allowMethods`

### Description

The list of cross-origin request methods allowed by the server.

### Type

array

## `.spec.serviceRoutes[].corsPolicy.allowMethods[]`

### Type

string

## `.spec.serviceRoutes[].corsPolicy.allowOrigins`

### Description

The server allows cross-origin requests for the list of domains.

### Type

array

## `.spec.serviceRoutes[].corsPolicy.allowOrigins[]`

### Type

object

Property	Type	Description
type	string	Match method.
value	string	Value.

## `.spec.serviceRoutes[].corsPolicy.exposeHeaders`

### Description

A list of headers that the server allows browsers with cross-origin requests to access.

### Type

array

## `.spec.serviceRoutes[].corsPolicy.exposeHeaders[]`

### Type

string

## `.spec.serviceRoutes[].headers`

### Description

Header.

### Type

array

## `.spec.serviceRoutes[].headers[]`

### Type

`object`

Property	Type	Description
<code>key</code>	<code>string</code>	Key.
<code>type</code>	<code>string</code>	Match method.
<code>value</code>	<code>string</code>	Value.

## `.spec.tcpRoute`

### Description

TCP route config

### Type

`object`

### Required

`name``namespace``port`

Property	Type	Description
<code>name</code>	<code>string</code>	Service name.
<code>namespace</code>	<code>string</code>	Namespace where the service is located.

Property	Type	Description
<code>port</code>	<code>integer</code>	Service port.

## `.spec.tcpRoutes`

### Description

The associated TCP service route.

### Type

`array`

## `.spec.tcpRoutes[]`

### Type

`object`

### Required

`gwPort`

`msName`

`msNamespace`

`msPort`

Property	Type	Description
<code>gwPort</code>	<code>integer</code>	Gateway port.
<code>msName</code>	<code>string</code>	Service name.
<code>msNamespace</code>	<code>string</code>	Namespace where the service is located.

Property	Type	Description
msPort	integer	Service port.

## .status

### Description

IngressGatewayStatus defines the observed state of IngressGateway

### Type

object

Property	Type	Description
upgrade	object	The status of upgration

## .status.upgrade

### Description

The status of upgration

### Type

object

Property	Type	Description
failReason	string	The reason of failed upgration
phase	string	Phase of upgration

# API Endpoints

The following API endpoints are available:

- `/apis/asm.alauda.io/v1alpha1/namespaces/{namespace}/ingressgateways`
  - `DELETE` : delete collection of IngressGateway
  - `GET` : list objects of kind IngressGateway
  - `POST` : create a new IngressGateway
- `/apis/asm.alauda.io/v1alpha1/namespaces/{namespace}/ingressgateways/{name}`
  - `DELETE` : delete the specified IngressGateway
  - `GET` : read the specified IngressGateway
  - `PATCH` : partially update the specified IngressGateway
  - `PUT` : replace the specified IngressGateway
- `/apis/asm.alauda.io/v1alpha1/namespaces/{namespace}/ingressgateways/{name}/status`
  - `GET` : read status of the specified IngressGateway
  - `PATCH` : partially update status of the specified IngressGateway
  - `PUT` : replace status of the specified IngressGateway

## `/apis/asm.alauda.io/v1alpha1/namespaces/{namespace}/ingressgateways`

### HTTP method

`DELETE`

### Description

delete collection of IngressGateway

### HTTP responses

HTTP code	Response body
200 - OK	<code>Status</code> schema
401 - Unauthorized	Empty

## HTTP method

GET

## Description

list objects of kind IngressGateway

## HTTP responses

HTTP code	Response body
200 - OK	<code>IngressGatewayList</code> schema
401 - Unauthorized	Empty

## HTTP method

POST

## Description

create a new IngressGateway

## Query parameters

Parameter	Type	Description
<code>dryRun</code>	<code>string</code>	When present, indicates that modifications should not be persisted. An invalid or unrecognized dryRun directive will result in an error response and no further processing of the request. Valid values are: - All: all dry run stages will be processed
<code>fieldValidation</code>	<code>string</code>	fieldValidation instructs the server on how to handle objects in the request (POST/PUT/PATCH) containing unknown or duplicate fields. Valid values are: - Ignore: This will ignore any unknown fields that are silently dropped from the object, and will ignore all but the last

Parameter	Type	Description
		duplicate field that the decoder encounters. This is the default behavior prior to v1.23. - Warn: This will send a warning via the standard warning response header for each unknown field that is dropped from the object, and for each duplicate field that is encountered. The request will still succeed if there are no other errors, and will only persist the last of any duplicate fields. This is the default in v1.23+ - Strict: This will fail the request with a BadRequest error if any unknown fields would be dropped from the object, or if any duplicate fields are present. The error returned from the server will contain all unknown and duplicate fields encountered.

### Body parameters

Parameter	Type	Description
body	IngressGateway schema	application/json formatted

### HTTP responses

HTTP code	Response body
200 - OK	IngressGateway schema
201 - Created	IngressGateway schema
202 - Accepted	IngressGateway schema
401 - Unauthorized	Empty

**/apis/asm.alauda.io/v1alpha1/namespaces/{namespace}/ingressgateways/{name}**

### HTTP method

DELETE

## Description

delete the specified IngressGateway

## Query parameters

Parameter	Type	Description
<code>dryRun</code>	<code>string</code>	When present, indicates that modifications should not be persisted. An invalid or unrecognized dryRun directive will result in an error response and no further processing of the request. Valid values are: - All: all dry run stages will be processed

## HTTP responses

HTTP code	Response body
200 - OK	<code>Status</code> schema
202 - Accepted	<code>Status</code> schema
401 - Unauthorized	Empty

## HTTP method

`GET`

## Description

read the specified IngressGateway

## HTTP responses

HTTP code	Response body
200 - OK	<code>IngressGateway</code> schema
401 - Unauthorized	Empty

## HTTP method

`PATCH`

## Description

partially update the specified IngressGateway

## Query parameters

Parameter	Type	Description
<code>dryRun</code>	<code>string</code>	When present, indicates that modifications should not be persisted. An invalid or unrecognized <code>dryRun</code> directive will result in an error response and no further processing of the request. Valid values are: - All: all dry run stages will be processed
<code>fieldValidation</code>	<code>string</code>	<code>fieldValidation</code> instructs the server on how to handle objects in the request (POST/PUT/PATCH) containing unknown or duplicate fields. Valid values are: - Ignore: This will ignore any unknown fields that are silently dropped from the object, and will ignore all but the last duplicate field that the decoder encounters. This is the default behavior prior to v1.23. - Warn: This will send a warning via the standard warning response header for each unknown field that is dropped from the object, and for each duplicate field that is encountered. The request will still succeed if there are no other errors, and will only persist the last of any duplicate fields. This is the default in v1.23+ - Strict: This will fail the request with a <code>BadRequest</code> error if any unknown fields would be dropped from the object, or if any duplicate fields are present. The error returned from the server will contain all unknown and duplicate fields encountered.

## HTTP responses

HTTP code	Response body
200 - OK	<code>IngressGateway</code> schema
401 - Unauthorized	Empty

## HTTP method

`PUT`

## Description

replace the specified IngressGateway

## Query parameters

Parameter	Type	Description
<code>dryRun</code>	<code>string</code>	When present, indicates that modifications should not be persisted. An invalid or unrecognized <code>dryRun</code> directive will result in an error response and no further processing of the request. Valid values are: - All: all dry run stages will be processed
<code>fieldValidation</code>	<code>string</code>	<code>fieldValidation</code> instructs the server on how to handle objects in the request (POST/PUT/PATCH) containing unknown or duplicate fields. Valid values are: - Ignore: This will ignore any unknown fields that are silently dropped from the object, and will ignore all but the last duplicate field that the decoder encounters. This is the default behavior prior to v1.23. - Warn: This will send a warning via the standard warning response header for each unknown field that is dropped from the object, and for each duplicate field that is encountered. The request will still succeed if there are no other errors, and will only persist the last of any duplicate fields. This is the default in v1.23+ - Strict: This will fail the request with a <code>BadRequest</code> error if any unknown fields would be dropped from the object, or if any duplicate fields are present. The error returned from the server will contain all unknown and duplicate fields encountered.

## Body parameters

Parameter	Type	Description
<code>body</code>	<code>IngressGateway</code> schema	<code>application/json</code> formatted

## HTTP responses

HTTP code	Response body
200 - OK	<code>IngressGateway</code> schema
201 - Created	<code>IngressGateway</code> schema
401 - Unauthorized	Empty

## /apis/asm.alauda.io/v1alpha1/namespaces/{namespace}/ingressgateways/{name}/status

### HTTP method

GET

### Description

read status of the specified IngressGateway

### HTTP responses

HTTP code	Response body
200 - OK	<code>IngressGateway</code> schema
401 - Unauthorized	Empty

### HTTP method

PATCH

### Description

partially update status of the specified IngressGateway

### Query parameters

Parameter	Type	Description
<code>dryRun</code>	<code>string</code>	When present, indicates that modifications should not be persisted. An invalid or unrecognized dryRun directive will result in an error response and no further

Parameter	Type	Description
		processing of the request. Valid values are: - All: all dry run stages will be processed
<code>fieldValidation</code>	<code>string</code>	<p>fieldValidation instructs the server on how to handle objects in the request (POST/PUT/PATCH) containing unknown or duplicate fields. Valid values are: - Ignore: This will ignore any unknown fields that are silently dropped from the object, and will ignore all but the last duplicate field that the decoder encounters. This is the default behavior prior to v1.23. - Warn: This will send a warning via the standard warning response header for each unknown field that is dropped from the object, and for each duplicate field that is encountered. The request will still succeed if there are no other errors, and will only persist the last of any duplicate fields. This is the default in v1.23+ - Strict: This will fail the request with a BadRequest error if any unknown fields would be dropped from the object, or if any duplicate fields are present. The error returned from the server will contain all unknown and duplicate fields encountered.</p>

## HTTP responses

HTTP code	Response body
200 - OK	<code>IngressGateway</code> schema
401 - Unauthorized	Empty

## HTTP method

`PUT`

## Description

replace status of the specified IngressGateway

## Query parameters

Parameter	Type	Description
<code>dryRun</code>	<code>string</code>	When present, indicates that modifications should not be persisted. An invalid or unrecognized <code>dryRun</code> directive will result in an error response and no further processing of the request. Valid values are: - All: all dry run stages will be processed
<code>fieldValidation</code>	<code>string</code>	<code>fieldValidation</code> instructs the server on how to handle objects in the request (POST/PUT/PATCH) containing unknown or duplicate fields. Valid values are: - Ignore: This will ignore any unknown fields that are silently dropped from the object, and will ignore all but the last duplicate field that the decoder encounters. This is the default behavior prior to v1.23. - Warn: This will send a warning via the standard warning response header for each unknown field that is dropped from the object, and for each duplicate field that is encountered. The request will still succeed if there are no other errors, and will only persist the last of any duplicate fields. This is the default in v1.23+ - Strict: This will fail the request with a <code>BadRequest</code> error if any unknown fields would be dropped from the object, or if any duplicate fields are present. The error returned from the server will contain all unknown and duplicate fields encountered.

## Body parameters

Parameter	Type	Description
<code>body</code>	<code>IngressGateway</code> schema	<code>application/json</code> formatted

## HTTP responses

HTTP code	Response body
200 - OK	<code>IngressGateway</code> schema
201 - Created	<code>IngressGateway</code> schema

<b>HTTP code</b>	<b>Response body</b>
401 - Unauthorized	Empty

## Description

IsolatePod is the Schema for the isolatepods API

## Type

object

## Specification

Property	Type	Description
<code>apiVersion</code>	<code>string</code>	APIVersion defines the versioned schema of this representation of an object. Servers should convert recognized schemas to the latest internal value, and may reject unrecognized values. More info: <a href="https://git.k8s.io/community/contributors/devel/sig-architecture/api-conventions.md#resources">https://git.k8s.io/community/contributors/devel/sig-architecture/api-conventions.md#resources</a>
<code>kind</code>	<code>string</code>	Kind is a string value representing the REST resource this object represents. Servers may infer this from the endpoint the client submits requests to. Cannot be updated. In CamelCase. More info: <a href="https://git.k8s.io/community/contributors/devel/sig-architecture/api-conventions.md#types-kinds">https://git.k8s.io/community/contributors/devel/sig-architecture/api-conventions.md#types-kinds</a>

Property	Type	Description
<code>metadata</code>	<code>ObjectMeta</code> ↗	ObjectMeta is metadata that all persisted resources must have, which includes all objects users must create.
<code>spec</code>	<code>object</code>	IsolatePodSpec defines the desired state of IsolatePod

## .spec

### Description

IsolatePodSpec defines the desired state of IsolatePod

### Type

`object`

Property	Type	Description
<code>startTime</code>	<code>string</code>	The point at which isolation begins.
<code>ttl</code>	<code>string</code>	The expiration time of the isolation.

## API Endpoints

The following API endpoints are available:

- `/apis/asm.alauda.io/v1alpha1/namespaces/{namespace}/isolatepods`
  - `DELETE` : delete collection of IsolatePod
  - `GET` : list objects of kind IsolatePod

- **POST** : create a new IsolatePod
- `/apis/asm.alauda.io/v1alpha1/namespaces/{namespace}/isolatepods/{name}`
- **DELETE** : delete the specified IsolatePod
- **GET** : read the specified IsolatePod
- **PATCH** : partially update the specified IsolatePod
- **PUT** : replace the specified IsolatePod

## `/apis/asm.alauda.io/v1alpha1/namespaces/{namespace}/isolatepods`

### HTTP method

**DELETE**

### Description

delete collection of IsolatePod

### HTTP responses

HTTP code	Response body
200 - OK	<code>Status</code> schema
401 - Unauthorized	Empty

### HTTP method

**GET**

### Description

list objects of kind IsolatePod

### HTTP responses

HTTP code	Response body
200 - OK	<code>IsolatePodList</code> schema
401 - Unauthorized	Empty

## HTTP method

POST

## Description

create a new IsolatePod

## Query parameters

Parameter	Type	Description
<code>dryRun</code>	<code>string</code>	When present, indicates that modifications should not be persisted. An invalid or unrecognized <code>dryRun</code> directive will result in an error response and no further processing of the request. Valid values are: - All: all dry run stages will be processed
<code>fieldValidation</code>	<code>string</code>	<code>fieldValidation</code> instructs the server on how to handle objects in the request (POST/PUT/PATCH) containing unknown or duplicate fields. Valid values are: - Ignore: This will ignore any unknown fields that are silently dropped from the object, and will ignore all but the last duplicate field that the decoder encounters. This is the default behavior prior to v1.23. - Warn: This will send a warning via the standard warning response header for each unknown field that is dropped from the object, and for each duplicate field that is encountered. The request will still succeed if there are no other errors, and will only persist the last of any duplicate fields. This is the default in v1.23+ - Strict: This will fail the request with a <code>BadRequest</code> error if any unknown fields would be dropped from the object, or if any duplicate fields are present. The error returned from the server will contain all unknown and duplicate fields encountered.

## Body parameters

Parameter	Type	Description
<code>body</code>	<code>IsolatePod</code> schema	<code>application/json</code> formatted

## HTTP responses

HTTP code	Response body
200 - OK	<code>IsolatePod</code> schema
201 - Created	<code>IsolatePod</code> schema
202 - Accepted	<code>IsolatePod</code> schema
401 - Unauthorized	Empty

## /apis/asm.alauda.io/v1alpha1/namespaces/{namespace}/isolatepods/{name}

### HTTP method

DELETE

### Description

delete the specified IsolatePod

### Query parameters

Parameter	Type	Description
<code>dryRun</code>	<code>string</code>	When present, indicates that modifications should not be persisted. An invalid or unrecognized dryRun directive will result in an error response and no further processing of the request. Valid values are: - All: all dry run stages will be processed

## HTTP responses

HTTP code	Response body
200 - OK	<code>Status</code> schema
202 - Accepted	<code>Status</code> schema

HTTP code	Response body
401 - Unauthorized	Empty

## HTTP method

GET

## Description

read the specified IsolatePod

## HTTP responses

HTTP code	Response body
200 - OK	<code>IsolatePod</code> schema
401 - Unauthorized	Empty

## HTTP method

PATCH

## Description

partially update the specified IsolatePod

## Query parameters

Parameter	Type	Description
<code>dryRun</code>	<code>string</code>	When present, indicates that modifications should not be persisted. An invalid or unrecognized <code>dryRun</code> directive will result in an error response and no further processing of the request. Valid values are: - All: all dry run stages will be processed
<code>fieldValidation</code>	<code>string</code>	<code>fieldValidation</code> instructs the server on how to handle objects in the request (POST/PUT/PATCH) containing unknown or duplicate fields. Valid values are: - Ignore: This will ignore any unknown fields that are silently dropped from the object, and will ignore all but the last duplicate field that the decoder encounters. This is the default behavior prior to v1.23. - Warn: This will send a

Parameter	Type	Description
		warning via the standard warning response header for each unknown field that is dropped from the object, and for each duplicate field that is encountered. The request will still succeed if there are no other errors, and will only persist the last of any duplicate fields. This is the default in v1.23+ - Strict: This will fail the request with a BadRequest error if any unknown fields would be dropped from the object, or if any duplicate fields are present. The error returned from the server will contain all unknown and duplicate fields encountered.

## HTTP responses

HTTP code	Response body
200 - OK	<code>IsolatePod</code> schema
401 - Unauthorized	Empty

## HTTP method

PUT

## Description

replace the specified IsolatePod

## Query parameters

Parameter	Type	Description
<code>dryRun</code>	<code>string</code>	When present, indicates that modifications should not be persisted. An invalid or unrecognized dryRun directive will result in an error response and no further processing of the request. Valid values are: - All: all dry run stages will be processed
<code>fieldValidation</code>	<code>string</code>	fieldValidation instructs the server on how to handle objects in the request (POST/PUT/PATCH) containing unknown or duplicate fields. Valid values are: - Ignore: This will ignore any unknown fields that are silently

Parameter	Type	Description
		<p>dropped from the object, and will ignore all but the last duplicate field that the decoder encounters. This is the default behavior prior to v1.23. - Warn: This will send a warning via the standard warning response header for each unknown field that is dropped from the object, and for each duplicate field that is encountered. The request will still succeed if there are no other errors, and will only persist the last of any duplicate fields. This is the default in v1.23+ - Strict: This will fail the request with a BadRequest error if any unknown fields would be dropped from the object, or if any duplicate fields are present. The error returned from the server will contain all unknown and duplicate fields encountered.</p>

## Body parameters

Parameter	Type	Description
body	IsolatePod schema	application/json formatted

## HTTP responses

HTTP code	Response body
200 - OK	IsolatePod schema
201 - Created	IsolatePod schema
401 - Unauthorized	Empty

## Description

JwtPolicy is the Schema for the jwtpolicies API

## Type

object

## Specification

Property	Type	Description
<code>apiVersion</code>	<code>string</code>	APIVersion defines the versioned schema of this representation of an object. Servers should convert recognized schemas to the latest internal value, and may reject unrecognized values. More info: <a href="https://git.k8s.io/community/contributors/devel/sig-architecture/api-conventions.md#resources">https://git.k8s.io/community/contributors/devel/sig-architecture/api-conventions.md#resources</a>
<code>kind</code>	<code>string</code>	Kind is a string value representing the REST resource this object represents. Servers may infer this from the endpoint the client submits requests to. Cannot be updated. In CamelCase. More info: <a href="https://git.k8s.io/community/contributors/devel/sig-architecture/api-conventions.md#types-kinds">https://git.k8s.io/community/contributors/devel/sig-architecture/api-conventions.md#types-kinds</a>

Property	Type	Description
<code>metadata</code>	<code>ObjectMeta</code> ↗	ObjectMeta is metadata that all persisted resources must have, which includes all objects users must create.
<code>spec</code>	<code>object</code>	JwtPolicySpec defines the desired state of JwtPolicy
<code>status</code>	<code>object</code>	JwtPolicyStatus defines the observed state of JwtPolicy

## .spec

### Description

JwtPolicySpec defines the desired state of JwtPolicy

### Type

`object`

### Required

`enabled`

Property	Type	Description
<code>enabled</code>	<code>string</code>	
<code>privateJwk</code>	<code>string</code>	
<code>publicJwk</code>	<code>string</code>	
<code>token</code>	<code>string</code>	

## .status

### Description

JwtPolicyStatus defines the observed state of JwtPolicy

## Type

object

## API Endpoints

The following API endpoints are available:

- `/apis/asm.alauda.io/v1alpha1/namespaces/{namespace}/jwtpolicies`
  - `DELETE` : delete collection of JwtPolicy
  - `GET` : list objects of kind JwtPolicy
  - `POST` : create a new JwtPolicy
- `/apis/asm.alauda.io/v1alpha1/namespaces/{namespace}/jwtpolicies/{name}`
  - `DELETE` : delete the specified JwtPolicy
  - `GET` : read the specified JwtPolicy
  - `PATCH` : partially update the specified JwtPolicy
  - `PUT` : replace the specified JwtPolicy
- `/apis/asm.alauda.io/v1alpha1/namespaces/{namespace}/jwtpolicies/{name}/status`
  - `GET` : read status of the specified JwtPolicy
  - `PATCH` : partially update status of the specified JwtPolicy
  - `PUT` : replace status of the specified JwtPolicy

## `/apis/asm.alauda.io/v1alpha1/namespaces/{namespace}/jwtpolicies`

### HTTP method

`DELETE`

### Description

delete collection of JwtPolicy

## HTTP responses

HTTP code	Response body
200 - OK	<code>Status</code> schema
401 - Unauthorized	Empty

## HTTP method

GET

## Description

list objects of kind JwtPolicy

## HTTP responses

HTTP code	Response body
200 - OK	<code>JwtPolicyList</code> schema
401 - Unauthorized	Empty

## HTTP method

POST

## Description

create a new JwtPolicy

## Query parameters

Parameter	Type	Description
<code>dryRun</code>	<code>string</code>	When present, indicates that modifications should not be persisted. An invalid or unrecognized dryRun directive will result in an error response and no further processing of the request. Valid values are: - All: all dry run stages will be processed
<code>fieldValidation</code>	<code>string</code>	fieldValidation instructs the server on how to handle objects in the request (POST/PUT/PATCH) containing

Parameter	Type	Description
		unknown or duplicate fields. Valid values are: - Ignore: This will ignore any unknown fields that are silently dropped from the object, and will ignore all but the last duplicate field that the decoder encounters. This is the default behavior prior to v1.23. - Warn: This will send a warning via the standard warning response header for each unknown field that is dropped from the object, and for each duplicate field that is encountered. The request will still succeed if there are no other errors, and will only persist the last of any duplicate fields. This is the default in v1.23+ - Strict: This will fail the request with a BadRequest error if any unknown fields would be dropped from the object, or if any duplicate fields are present. The error returned from the server will contain all unknown and duplicate fields encountered.

### Body parameters

Parameter	Type	Description
body	JwtPolicy schema	application/json formatted

### HTTP responses

HTTP code	Response body
200 - OK	JwtPolicy schema
201 - Created	JwtPolicy schema
202 - Accepted	JwtPolicy schema
401 - Unauthorized	Empty

**/apis/asm.alauda.io/v1alpha1/namespaces/{namespace}/jwt-policies/{name}**

## HTTP method

DELETE

## Description

delete the specified JwtPolicy

## Query parameters

Parameter	Type	Description
dryRun	string	When present, indicates that modifications should not be persisted. An invalid or unrecognized dryRun directive will result in an error response and no further processing of the request. Valid values are: - All: all dry run stages will be processed

## HTTP responses

HTTP code	Response body
200 - OK	<a href="#">Status ↗</a> schema
202 - Accepted	<a href="#">Status ↗</a> schema
401 - Unauthorized	Empty

## HTTP method

GET

## Description

read the specified JwtPolicy

## HTTP responses

HTTP code	Response body
200 - OK	<code>JwtPolicy</code> schema
401 - Unauthorized	Empty

## HTTP method

PATCH

## Description

partially update the specified JwtPolicy

## Query parameters

Parameter	Type	Description
<code>dryRun</code>	<code>string</code>	When present, indicates that modifications should not be persisted. An invalid or unrecognized <code>dryRun</code> directive will result in an error response and no further processing of the request. Valid values are: - All: all dry run stages will be processed
<code>fieldValidation</code>	<code>string</code>	<code>fieldValidation</code> instructs the server on how to handle objects in the request (POST/PUT/PATCH) containing unknown or duplicate fields. Valid values are: - Ignore: This will ignore any unknown fields that are silently dropped from the object, and will ignore all but the last duplicate field that the decoder encounters. This is the default behavior prior to v1.23. - Warn: This will send a warning via the standard warning response header for each unknown field that is dropped from the object, and for each duplicate field that is encountered. The request will still succeed if there are no other errors, and will only persist the last of any duplicate fields. This is the default in v1.23+ - Strict: This will fail the request with a <code>BadRequest</code> error if any unknown fields would be dropped from the object, or if any duplicate fields are present. The error returned from the server will contain all unknown and duplicate fields encountered.

## HTTP responses

HTTP code	Response body
200 - OK	<code>JwtPolicy</code> schema
401 - Unauthorized	Empty

## HTTP method

PUT

## Description

replace the specified JwtPolicy

## Query parameters

Parameter	Type	Description
<code>dryRun</code>	<code>string</code>	When present, indicates that modifications should not be persisted. An invalid or unrecognized <code>dryRun</code> directive will result in an error response and no further processing of the request. Valid values are: - All: all dry run stages will be processed
<code>fieldValidation</code>	<code>string</code>	<code>fieldValidation</code> instructs the server on how to handle objects in the request (POST/PUT/PATCH) containing unknown or duplicate fields. Valid values are: - Ignore: This will ignore any unknown fields that are silently dropped from the object, and will ignore all but the last duplicate field that the decoder encounters. This is the default behavior prior to v1.23. - Warn: This will send a warning via the standard warning response header for each unknown field that is dropped from the object, and for each duplicate field that is encountered. The request will still succeed if there are no other errors, and will only persist the last of any duplicate fields. This is the default in v1.23+ - Strict: This will fail the request with a <code>BadRequest</code> error if any unknown fields would be dropped from the object, or if any duplicate fields are present. The error returned from the server will contain all unknown and duplicate fields encountered.

## Body parameters

Parameter	Type	Description
<code>body</code>	<code>JwtPolicy</code> schema	<code>application/json</code> formatted

## HTTP responses

HTTP code	Response body
200 - OK	<code>JwtPolicy</code> schema
201 - Created	<code>JwtPolicy</code> schema
401 - Unauthorized	Empty

## /apis/asm.alauda.io/v1alpha1/namespaces/{namespace}/jwtolicies/{name}/status

### HTTP method

`GET`

### Description

read status of the specified JwtPolicy

### HTTP responses

HTTP code	Response body
200 - OK	<code>JwtPolicy</code> schema
401 - Unauthorized	Empty

### HTTP method

`PATCH`

### Description

partially update status of the specified JwtPolicy

### Query parameters

Parameter	Type	Description
<code>dryRun</code>	<code>string</code>	When present, indicates that modifications should not be persisted. An invalid or unrecognized dryRun

Parameter	Type	Description
		directive will result in an error response and no further processing of the request. Valid values are: - All: all dry run stages will be processed
<code>fieldValidation</code>	<code>string</code>	<p>fieldValidation instructs the server on how to handle objects in the request (POST/PUT/PATCH) containing unknown or duplicate fields. Valid values are: - Ignore: This will ignore any unknown fields that are silently dropped from the object, and will ignore all but the last duplicate field that the decoder encounters. This is the default behavior prior to v1.23. - Warn: This will send a warning via the standard warning response header for each unknown field that is dropped from the object, and for each duplicate field that is encountered. The request will still succeed if there are no other errors, and will only persist the last of any duplicate fields. This is the default in v1.23+ - Strict: This will fail the request with a BadRequest error if any unknown fields would be dropped from the object, or if any duplicate fields are present. The error returned from the server will contain all unknown and duplicate fields encountered.</p>

## HTTP responses

HTTP code	Response body
200 - OK	<code>JwtPolicy</code> schema
401 - Unauthorized	Empty

## HTTP method

`PUT`

## Description

replace status of the specified JwtPolicy

## Query parameters

Parameter	Type	Description
<code>dryRun</code>	<code>string</code>	When present, indicates that modifications should not be persisted. An invalid or unrecognized <code>dryRun</code> directive will result in an error response and no further processing of the request. Valid values are: - All: all dry run stages will be processed
<code>fieldValidation</code>	<code>string</code>	<code>fieldValidation</code> instructs the server on how to handle objects in the request (POST/PUT/PATCH) containing unknown or duplicate fields. Valid values are: - Ignore: This will ignore any unknown fields that are silently dropped from the object, and will ignore all but the last duplicate field that the decoder encounters. This is the default behavior prior to v1.23. - Warn: This will send a warning via the standard warning response header for each unknown field that is dropped from the object, and for each duplicate field that is encountered. The request will still succeed if there are no other errors, and will only persist the last of any duplicate fields. This is the default in v1.23+ - Strict: This will fail the request with a <code>BadRequest</code> error if any unknown fields would be dropped from the object, or if any duplicate fields are present. The error returned from the server will contain all unknown and duplicate fields encountered.

## Body parameters

Parameter	Type	Description
<code>body</code>	<code>JwtPolicy</code> schema	<code>application/json</code> formatted

## HTTP responses

HTTP code	Response body
200 - OK	<code>JwtPolicy</code> schema
201 - Created	<code>JwtPolicy</code> schema

<b>HTTP code</b>	<b>Response body</b>
401 - Unauthorized	Empty

## Description

LoadBalancer is the Schema for the loadbalancers API

## Type

object

## Specification

Property	Type	Description
<code>apiVersion</code>	<code>string</code>	APIVersion defines the versioned schema of this representation of an object. Servers should convert recognized schemas to the latest internal value, and may reject unrecognized values. More info: <a href="https://git.k8s.io/community/contributors/devel/sig-architecture/api-conventions.md#resources">https://git.k8s.io/community/contributors/devel/sig-architecture/api-conventions.md#resources</a>
<code>kind</code>	<code>string</code>	Kind is a string value representing the REST resource this object represents. Servers may infer this from the endpoint the client submits requests to. Cannot be updated. In CamelCase. More info: <a href="https://git.k8s.io/community/contributors/devel/sig-architecture/api-conventions.md#types-kinds">https://git.k8s.io/community/contributors/devel/sig-architecture/api-conventions.md#types-kinds</a>

Property	Type	Description
<code>metadata</code>	<code>ObjectMeta</code> ↗	ObjectMeta is metadata that all persisted resources must have, which includes all objects users must create.
<code>spec</code>	<code>object</code>	LoadBalancerSpec defines the desired state of LoadBalancer
<code>status</code>	<code>object</code>	LoadBalancerStatus defines the observed state of LoadBalancer

## .spec

### Description

LoadBalancerSpec defines the desired state of LoadBalancer

### Type

`object`

Property	Type	Description
<code>consistentHash</code>	<code>object</code>	Consistent Hash-based load balancing can be used to provide soft session affinity based on HTTP headers, cookies or other properties. This load balancing policy is applicable only for HTTP connections. The affinity to a particular destination host will be lost when one or more hosts are added/removed from the destination service.
<code>host</code>	<code>string</code>	

Property	Type	Description
<code>localityLbSetting</code>	<code>object</code>	Optional: only one of distribute or failover can be set. Explicitly specify loadbalancing weight across different zones and geographical locations. Refer to <a href="#">Locality weighted load balancing</a> ↗ If empty, the locality weight is set according to the endpoints number within it.
<code>simple</code>	<code>string</code>	Standard load balancing algorithms that require no tuning.

## .spec.consistentHash

### Description

Consistent Hash-based load balancing can be used to provide soft session affinity based on HTTP headers, cookies or other properties. This load balancing policy is applicable only for HTTP connections. The affinity to a particular destination host will be lost when one or more hosts are added/removed from the destination service.

### Type

`object`

Property	Type	Description
<code>httpCookie</code>	<code>object</code>	Hash based on HTTP cookie.
<code>httpHeaderName</code>	<code>string</code>	Hash based on a specific HTTP header.

Property	Type	Description
<code>minimumRingSize</code>	<code>integer</code>	The minimum number of virtual nodes to use for the hash ring. Defaults to 1024. Larger ring sizes result in more granular load distributions. If the number of hosts in the load balancing pool is larger than the ring size, each host will be assigned a single virtual node.
<code>useSourceIp</code>	<code>boolean</code>	Hash based on the source IP address.

## `.spec.consistentHash.httpCookie`

### Description

Hash based on HTTP cookie.

### Type

`object`

Property	Type	Description
<code>name</code>	<code>string</code>	Name of the cookie.
<code>path</code>	<code>string</code>	Path to set for the cookie.
<code>ttl</code>	<code>string</code>	Lifetime of the cookie.

## `.spec.localityLbSetting`

### Description

Optional: only one of distribute or failover can be set. Explicitly specify loadbalancing weight across different zones and geographical locations. Refer to [Locality weighted load balancing] ([https://www.envoyproxy.io/docs/envoy/latest/intro/arch\\_overview/upstream/load\\_balancing/locality\\_weighted\\_load\\_balancing](https://www.envoyproxy.io/docs/envoy/latest/intro/arch_overview/upstream/load_balancing/locality_weighted_load_balancing))  
If empty, the locality weight is set according to the endpoints number within it.

### Type

object

### Required

enabled

Property	Type	Description
distribute	array	
enabled	boolean	
failover	array	

## .spec.localityLbSetting.distribute

### Type

array

## .spec.localityLbSetting.distribute[]

### Type

object

Property	Type	Description
from	string	Originating locality, '/' separated, e.g. 'region/zone/sub_zone'.

Property	Type	Description
to	object	Map of upstream localities to traffic distribution weights. The sum of all weights should be 100. Any locality not present will receive no traffic.

## `.spec.localityLbSetting.distribute[].to`

### Description

Map of upstream localities to traffic distribution weights. The sum of all weights should be 100. Any locality not present will receive no traffic.

### Type

object

## `.spec.localityLbSetting.failover`

### Type

array

## `.spec.localityLbSetting.failover[]`

### Type

object

Property	Type	Description
from	string	Originating region.

Property	Type	Description
to	string	Destination region the traffic will fail over to when endpoints in the 'from' region becomes unhealthy.

## .status

### Description

LoadBalancerStatus defines the observed state of LoadBalancer

### Type

object

## API Endpoints

The following API endpoints are available:

- `/apis/asm.alauda.io/v1beta1/namespaces/{namespace}/loadbalancers`
  - **DELETE** : delete collection of LoadBalancer
  - **GET** : list objects of kind LoadBalancer
  - **POST** : create a new LoadBalancer
- `/apis/asm.alauda.io/v1beta1/namespaces/{namespace}/loadbalancers/{name}`
  - **DELETE** : delete the specified LoadBalancer
  - **GET** : read the specified LoadBalancer
  - **PATCH** : partially update the specified LoadBalancer
  - **PUT** : replace the specified LoadBalancer
- `/apis/asm.alauda.io/v1beta1/namespaces/{namespace}/loadbalancers/{name}/status`
  - **GET** : read status of the specified LoadBalancer

- **PATCH** : partially update status of the specified LoadBalancer
- **PUT** : replace status of the specified LoadBalancer

## /apis/asm.alauda.io/v1beta1/namespaces/{namespace}/loadbalancers

### HTTP method

DELETE

### Description

delete collection of LoadBalancer

### HTTP responses

HTTP code	Response body
200 - OK	<a href="#">Status</a> schema
401 - Unauthorized	Empty

### HTTP method

GET

### Description

list objects of kind LoadBalancer

### HTTP responses

HTTP code	Response body
200 - OK	<a href="#">LoadBalancerList</a> schema
401 - Unauthorized	Empty

### HTTP method

POST

### Description

create a new LoadBalancer

## Query parameters

Parameter	Type	Description
<code>dryRun</code>	<code>string</code>	When present, indicates that modifications should not be persisted. An invalid or unrecognized <code>dryRun</code> directive will result in an error response and no further processing of the request. Valid values are: - All: all dry run stages will be processed
<code>fieldValidation</code>	<code>string</code>	<code>fieldValidation</code> instructs the server on how to handle objects in the request (POST/PUT/PATCH) containing unknown or duplicate fields. Valid values are: - Ignore: This will ignore any unknown fields that are silently dropped from the object, and will ignore all but the last duplicate field that the decoder encounters. This is the default behavior prior to v1.23. - Warn: This will send a warning via the standard warning response header for each unknown field that is dropped from the object, and for each duplicate field that is encountered. The request will still succeed if there are no other errors, and will only persist the last of any duplicate fields. This is the default in v1.23+ - Strict: This will fail the request with a <code>BadRequest</code> error if any unknown fields would be dropped from the object, or if any duplicate fields are present. The error returned from the server will contain all unknown and duplicate fields encountered.

## Body parameters

Parameter	Type	Description
<code>body</code>	<code>LoadBalancer</code> schema	<code>application/json</code> formatted

## HTTP responses

HTTP code	Response body
200 - OK	<code>LoadBalancer</code> schema

HTTP code	Response body
201 - Created	<code>LoadBalancer</code> schema
202 - Accepted	<code>LoadBalancer</code> schema
401 - Unauthorized	Empty

## /apis/asm.alauda.io/v1beta1/namespaces/{namespace}/loadbalancers/{name}

### HTTP method

DELETE

### Description

delete the specified LoadBalancer

### Query parameters

Parameter	Type	Description
<code>dryRun</code>	<code>string</code>	When present, indicates that modifications should not be persisted. An invalid or unrecognized dryRun directive will result in an error response and no further processing of the request. Valid values are: - All: all dry run stages will be processed

### HTTP responses

HTTP code	Response body
200 - OK	<code>Status</code> schema
202 - Accepted	<code>Status</code> schema
401 - Unauthorized	Empty

### HTTP method

GET

## Description

read the specified LoadBalancer

## HTTP responses

HTTP code	Response body
200 - OK	<code>LoadBalancer</code> schema
401 - Unauthorized	Empty

## HTTP method

PATCH

## Description

partially update the specified LoadBalancer

## Query parameters

Parameter	Type	Description
<code>dryRun</code>	<code>string</code>	When present, indicates that modifications should not be persisted. An invalid or unrecognized <code>dryRun</code> directive will result in an error response and no further processing of the request. Valid values are: - All: all dry run stages will be processed
<code>fieldValidation</code>	<code>string</code>	<code>fieldValidation</code> instructs the server on how to handle objects in the request (POST/PUT/PATCH) containing unknown or duplicate fields. Valid values are: - Ignore: This will ignore any unknown fields that are silently dropped from the object, and will ignore all but the last duplicate field that the decoder encounters. This is the default behavior prior to v1.23. - Warn: This will send a warning via the standard warning response header for each unknown field that is dropped from the object, and for each duplicate field that is encountered. The request will still succeed if there are no other errors, and will only persist the last of any duplicate fields. This is the default in v1.23+ - Strict: This will fail the

Parameter	Type	Description
		request with a BadRequest error if any unknown fields would be dropped from the object, or if any duplicate fields are present. The error returned from the server will contain all unknown and duplicate fields encountered.

## HTTP responses

HTTP code	Response body
200 - OK	<code>LoadBalancer</code> schema
401 - Unauthorized	Empty

## HTTP method

PUT

## Description

replace the specified LoadBalancer

## Query parameters

Parameter	Type	Description
<code>dryRun</code>	<code>string</code>	When present, indicates that modifications should not be persisted. An invalid or unrecognized dryRun directive will result in an error response and no further processing of the request. Valid values are: - All: all dry run stages will be processed
<code>fieldValidation</code>	<code>string</code>	fieldValidation instructs the server on how to handle objects in the request (POST/PUT/PATCH) containing unknown or duplicate fields. Valid values are: - Ignore: This will ignore any unknown fields that are silently dropped from the object, and will ignore all but the last duplicate field that the decoder encounters. This is the default behavior prior to v1.23. - Warn: This will send a warning via the standard warning response header for each unknown field that is dropped from the object, and for each duplicate field that is encountered. The

Parameter	Type	Description
		request will still succeed if there are no other errors, and will only persist the last of any duplicate fields. This is the default in v1.23+ - Strict: This will fail the request with a BadRequest error if any unknown fields would be dropped from the object, or if any duplicate fields are present. The error returned from the server will contain all unknown and duplicate fields encountered.

### Body parameters

Parameter	Type	Description
body	LoadBalancer schema	application/json formatted

### HTTP responses

HTTP code	Response body
200 - OK	LoadBalancer schema
201 - Created	LoadBalancer schema
401 - Unauthorized	Empty

## /apis/asm.alauda.io/v1beta1/namespaces/{namespace}/loadbalancers/{name}/status

### HTTP method

GET

### Description

read status of the specified LoadBalancer

### HTTP responses

HTTP code	Response body
200 - OK	<code>LoadBalancer</code> schema
401 - Unauthorized	Empty

## HTTP method

PATCH

## Description

partially update status of the specified LoadBalancer

## Query parameters

Parameter	Type	Description
<code>dryRun</code>	<code>string</code>	When present, indicates that modifications should not be persisted. An invalid or unrecognized <code>dryRun</code> directive will result in an error response and no further processing of the request. Valid values are: - All: all dry run stages will be processed
<code>fieldValidation</code>	<code>string</code>	<code>fieldValidation</code> instructs the server on how to handle objects in the request (POST/PUT/PATCH) containing unknown or duplicate fields. Valid values are: - Ignore: This will ignore any unknown fields that are silently dropped from the object, and will ignore all but the last duplicate field that the decoder encounters. This is the default behavior prior to v1.23. - Warn: This will send a warning via the standard warning response header for each unknown field that is dropped from the object, and for each duplicate field that is encountered. The request will still succeed if there are no other errors, and will only persist the last of any duplicate fields. This is the default in v1.23+ - Strict: This will fail the request with a <code>BadRequest</code> error if any unknown fields would be dropped from the object, or if any duplicate fields are present. The error returned from the server will contain all unknown and duplicate fields encountered.

## HTTP responses

HTTP code	Response body
200 - OK	<code>LoadBalancer</code> schema
401 - Unauthorized	Empty

## HTTP method

PUT

## Description

replace status of the specified LoadBalancer

## Query parameters

Parameter	Type	Description
<code>dryRun</code>	<code>string</code>	When present, indicates that modifications should not be persisted. An invalid or unrecognized dryRun directive will result in an error response and no further processing of the request. Valid values are: - All: all dry run stages will be processed

Parameter	Type	Description
<code>fieldValidation</code>	<code>string</code>	<p><code>fieldValidation</code> instructs the server on how to handle objects in the request (POST/PUT/PATCH) containing unknown or duplicate fields. Valid values are:</p> <ul style="list-style-type: none"> <li>- Ignore: This will ignore any unknown fields that are silently dropped from the object, and will ignore all but the last duplicate field that the decoder encounters. This is the default behavior prior to v1.23.</li> <li>- Warn: This will send a warning via the standard warning response header for each unknown field that is dropped from the object, and for each duplicate field that is encountered. The request will still succeed if there are no other errors, and will only persist the last of any duplicate fields. This is the default in v1.23+.</li> <li>- Strict: This will fail the request with a <code>BadRequest</code> error if any unknown fields would be dropped from the object, or if any duplicate fields are present. The error returned from the server will contain all unknown and duplicate fields encountered.</li> </ul>

## Body parameters

Parameter	Type	Description
<code>body</code>	<code>LoadBalancer</code> schema	<code>application/json</code> formatted

## HTTP responses

HTTP code	Response body
200 - OK	<code>LoadBalancer</code> schema
201 - Created	<code>LoadBalancer</code> schema
401 - Unauthorized	Empty

## Description

ManualGrayEvent is the Schema for the ManualGrayEvent API

## Type

object

## Specification

Property	Type	Description
<code>apiVersion</code>	<code>string</code>	APIVersion defines the versioned schema of this representation of an object. Servers should convert recognized schemas to the latest internal value, and may reject unrecognized values. More info: <a href="https://git.k8s.io/community/contributors/devel/sig-architecture/api-conventions.md#resources">https://git.k8s.io/community/contributors/devel/sig-architecture/api-conventions.md#resources</a>
<code>kind</code>	<code>string</code>	Kind is a string value representing the REST resource this object represents. Servers may infer this from the endpoint the client submits requests to. Cannot be updated. In CamelCase. More info: <a href="https://git.k8s.io/community/contributors/devel/sig-architecture/api-conventions.md#types-kinds">https://git.k8s.io/community/contributors/devel/sig-architecture/api-conventions.md#types-kinds</a>

Property	Type	Description
<code>metadata</code>	<code>ObjectMeta</code> ↗	ObjectMeta is metadata that all persisted resources must have, which includes all objects users must create.
<code>spec</code>	<code>object</code>	ManualGrayEventSpec defines the desired state of ManualGrayEvent
<code>status</code>	<code>object</code>	ManualGrayEventStatus defines the observed state of ManualGrayRelease

## .spec

### Description

ManualGrayEventSpec defines the desired state of ManualGrayEvent

### Type

`object`

### Required

`deliverType`

`phase`

Property	Type	Description
<code>deliverType</code>	<code>string</code>	deliver type, canary or ab or others
<code>events</code>	<code>array</code>	
<code>finishTime</code>	<code>string</code>	GrayWorkloadDeployTime of this condition

Property	Type	Description
phase	string	

## .spec.events

### Type

array

## .spec.events[]

### Description

GrayEvent is a status condition for a event

### Type

object

### Required

step

Property	Type	Description
err	string	err if the target not valid
lastTransitionTime	string	LastTransitionTime of this condition
message	string	Message associated with this condition
phase	string	phase of this condition

Property	Type	Description
<code>startTime</code>	<code>string</code>	StartTime of this condition
<code>step</code>	<code>string</code>	Type of this condition

## .status

### Description

ManualGrayEventStatus defines the observed state of ManualGrayRelease

### Type

`object`

Property	Type	Description
<code>finishTime</code>	<code>string</code>	GrayWorkloadDeployTime of this condition
<code>phase</code>	<code>string</code>	

## API Endpoints

The following API endpoints are available:

- `/apis/asm.alauda.io/v1alpha1/namespaces/{namespace}/manualgrayevents`
  - `DELETE` : delete collection of ManualGrayEvent
  - `GET` : list objects of kind ManualGrayEvent
  - `POST` : create a new ManualGrayEvent
- `/apis/asm.alauda.io/v1alpha1/namespaces/{namespace}/manualgrayevents/{name}`

- **DELETE** : delete the specified ManualGrayEvent
- **GET** : read the specified ManualGrayEvent
- **PATCH** : partially update the specified ManualGrayEvent
- **PUT** : replace the specified ManualGrayEvent
- `/apis/asm.alauda.io/v1alpha1/namespaces/{namespace}/manualgrayevents/{name}/status`
  - **GET** : read status of the specified ManualGrayEvent
  - **PATCH** : partially update status of the specified ManualGrayEvent
  - **PUT** : replace status of the specified ManualGrayEvent

## `/apis/asm.alauda.io/v1alpha1/namespaces/{namespace}/manualgrayevents`

### HTTP method

**DELETE**

### Description

delete collection of ManualGrayEvent

### HTTP responses

HTTP code	Response body
200 - OK	<a href="#">Status</a> schema
401 - Unauthorized	Empty

### HTTP method

**GET**

### Description

list objects of kind ManualGrayEvent

### HTTP responses

HTTP code	Response body
200 - OK	<code>ManualGrayEventList</code> schema
401 - Unauthorized	Empty

## HTTP method

POST

## Description

create a new ManualGrayEvent

## Query parameters

Parameter	Type	Description
<code>dryRun</code>	<code>string</code>	When present, indicates that modifications should not be persisted. An invalid or unrecognized dryRun directive will result in an error response and no further processing of the request. Valid values are: - All: all dry run stages will be processed
<code>fieldValidation</code>	<code>string</code>	fieldValidation instructs the server on how to handle objects in the request (POST/PUT/PATCH) containing unknown or duplicate fields. Valid values are: - Ignore: This will ignore any unknown fields that are silently dropped from the object, and will ignore all but the last duplicate field that the decoder encounters. This is the default behavior prior to v1.23. - Warn: This will send a warning via the standard warning response header for each unknown field that is dropped from the object, and for each duplicate field that is encountered. The request will still succeed if there are no other errors, and will only persist the last of any duplicate fields. This is the default in v1.23+ - Strict: This will fail the request with a BadRequest error if any unknown fields would be dropped from the object, or if any duplicate fields are present. The error returned from the server will contain all unknown and duplicate fields encountered.

## Body parameters

Parameter	Type	Description
body	ManualGrayEvent schema	application/json formatted

## HTTP responses

HTTP code	Response body
200 - OK	ManualGrayEvent schema
201 - Created	ManualGrayEvent schema
202 - Accepted	ManualGrayEvent schema
401 - Unauthorized	Empty

# /apis/asm.alauda.io/v1alpha1/namespaces/{namespace}/manualgrayevents/{name}

## HTTP method

DELETE

## Description

delete the specified ManualGrayEvent

## Query parameters

Parameter	Type	Description
dryRun	string	When present, indicates that modifications should not be persisted. An invalid or unrecognized dryRun directive will result in an error response and no further processing of the request. Valid values are: - All: all dry run stages will be processed

## HTTP responses

HTTP code	Response body
200 - OK	<a href="#">Status</a> schema
202 - Accepted	<a href="#">Status</a> schema
401 - Unauthorized	Empty

## HTTP method

GET

## Description

read the specified ManualGrayEvent

## HTTP responses

HTTP code	Response body
200 - OK	<a href="#">ManualGrayEvent</a> schema
401 - Unauthorized	Empty

## HTTP method

PATCH

## Description

partially update the specified ManualGrayEvent

## Query parameters

Parameter	Type	Description
<a href="#">dryRun</a>	<a href="#">string</a>	When present, indicates that modifications should not be persisted. An invalid or unrecognized dryRun directive will result in an error response and no further processing of the request. Valid values are: - All: all dry run stages will be processed
<a href="#">fieldValidation</a>	<a href="#">string</a>	fieldValidation instructs the server on how to handle objects in the request (POST/PUT/PATCH) containing unknown or duplicate fields. Valid values are: - Ignore:

Parameter	Type	Description
		<p>This will ignore any unknown fields that are silently dropped from the object, and will ignore all but the last duplicate field that the decoder encounters. This is the default behavior prior to v1.23. - Warn: This will send a warning via the standard warning response header for each unknown field that is dropped from the object, and for each duplicate field that is encountered. The request will still succeed if there are no other errors, and will only persist the last of any duplicate fields. This is the default in v1.23+ - Strict: This will fail the request with a BadRequest error if any unknown fields would be dropped from the object, or if any duplicate fields are present. The error returned from the server will contain all unknown and duplicate fields encountered.</p>

## HTTP responses

HTTP code	Response body
200 - OK	<code>ManualGrayEvent</code> schema
401 - Unauthorized	Empty

## HTTP method

PUT

## Description

replace the specified ManualGrayEvent

## Query parameters

Parameter	Type	Description
<code>dryRun</code>	<code>string</code>	<p>When present, indicates that modifications should not be persisted. An invalid or unrecognized dryRun directive will result in an error response and no further processing of the request. Valid values are: - All: all dry run stages will be processed</p>

Parameter	Type	Description
<code>fieldValidation</code>	<code>string</code>	<p><code>fieldValidation</code> instructs the server on how to handle objects in the request (POST/PUT/PATCH) containing unknown or duplicate fields. Valid values are:</p> <ul style="list-style-type: none"> <li>- Ignore: This will ignore any unknown fields that are silently dropped from the object, and will ignore all but the last duplicate field that the decoder encounters. This is the default behavior prior to v1.23.</li> <li>- Warn: This will send a warning via the standard warning response header for each unknown field that is dropped from the object, and for each duplicate field that is encountered. The request will still succeed if there are no other errors, and will only persist the last of any duplicate fields. This is the default in v1.23+.</li> <li>- Strict: This will fail the request with a <code>BadRequest</code> error if any unknown fields would be dropped from the object, or if any duplicate fields are present. The error returned from the server will contain all unknown and duplicate fields encountered.</li> </ul>

### Body parameters

Parameter	Type	Description
<code>body</code>	<code>ManualGrayEvent</code> schema	<code>application/json</code> formatted

### HTTP responses

HTTP code	Response body
200 - OK	<code>ManualGrayEvent</code> schema
201 - Created	<code>ManualGrayEvent</code> schema
401 - Unauthorized	Empty

**`/apis/asm.alauda.io/v1alpha1/namespaces/{namespace}/manualgrayevents/{name}/status`**

## HTTP method

GET

## Description

read status of the specified ManualGrayEvent

## HTTP responses

HTTP code	Response body
200 - OK	<code>ManualGrayEvent</code> schema
401 - Unauthorized	Empty

## HTTP method

PATCH

## Description

partially update status of the specified ManualGrayEvent

## Query parameters

Parameter	Type	Description
<code>dryRun</code>	<code>string</code>	When present, indicates that modifications should not be persisted. An invalid or unrecognized <code>dryRun</code> directive will result in an error response and no further processing of the request. Valid values are: - All: all dry run stages will be processed
<code>fieldValidation</code>	<code>string</code>	<code>fieldValidation</code> instructs the server on how to handle objects in the request (POST/PUT/PATCH) containing unknown or duplicate fields. Valid values are: - Ignore: This will ignore any unknown fields that are silently dropped from the object, and will ignore all but the last duplicate field that the decoder encounters. This is the default behavior prior to v1.23. - Warn: This will send a warning via the standard warning response header for each unknown field that is dropped from the object, and for each duplicate field that is encountered. The request will still succeed if there are no other errors, and will only persist the last of any duplicate fields.

Parameter	Type	Description
		This is the default in v1.23+ - Strict: This will fail the request with a BadRequest error if any unknown fields would be dropped from the object, or if any duplicate fields are present. The error returned from the server will contain all unknown and duplicate fields encountered.

## HTTP responses

HTTP code	Response body
200 - OK	<code>ManualGrayEvent</code> schema
401 - Unauthorized	Empty

## HTTP method

PUT

## Description

replace status of the specified `ManualGrayEvent`

## Query parameters

Parameter	Type	Description
<code>dryRun</code>	<code>string</code>	When present, indicates that modifications should not be persisted. An invalid or unrecognized <code>dryRun</code> directive will result in an error response and no further processing of the request. Valid values are: - All: all dry run stages will be processed
<code>fieldValidation</code>	<code>string</code>	<code>fieldValidation</code> instructs the server on how to handle objects in the request (POST/PUT/PATCH) containing unknown or duplicate fields. Valid values are: - Ignore: This will ignore any unknown fields that are silently dropped from the object, and will ignore all but the last duplicate field that the decoder encounters. This is the default behavior prior to v1.23. - Warn: This will send a warning via the standard warning response header for each unknown field that is dropped from the object,

Parameter	Type	Description
		and for each duplicate field that is encountered. The request will still succeed if there are no other errors, and will only persist the last of any duplicate fields. This is the default in v1.23+ - Strict: This will fail the request with a BadRequest error if any unknown fields would be dropped from the object, or if any duplicate fields are present. The error returned from the server will contain all unknown and duplicate fields encountered.

## Body parameters

Parameter	Type	Description
body	ManualGrayEvent schema	application/json formatted

## HTTP responses

HTTP code	Response body
200 - OK	ManualGrayEvent schema
201 - Created	ManualGrayEvent schema
401 - Unauthorized	Empty

## Description

ManualGrayRelease is the Schema for the ManualGrayRelease API

## Type

object

## Specification

Property	Type	Description
<code>apiVersion</code>	<code>string</code>	APIVersion defines the versioned schema of this representation of an object. Servers should convert recognized schemas to the latest internal value, and may reject unrecognized values. More info: <a href="https://git.k8s.io/community/contributors/devel/sig-architecture/api-conventions.md#resources">https://git.k8s.io/community/contributors/devel/sig-architecture/api-conventions.md#resources</a>
<code>kind</code>	<code>string</code>	Kind is a string value representing the REST resource this object represents. Servers may infer this from the endpoint the client submits requests to. Cannot be updated. In CamelCase. More info: <a href="https://git.k8s.io/community/contributors/devel/sig-architecture/api-conventions.md#types-kinds">https://git.k8s.io/community/contributors/devel/sig-architecture/api-conventions.md#types-kinds</a>

Property	Type	Description
<code>metadata</code>	<code>ObjectMeta</code> ↗	ObjectMeta is metadata that all persisted resources must have, which includes all objects users must create.
<code>spec</code>	<code>object</code>	ManualGrayReleaseSpec defines the desired state of ManualGrayRelease
<code>status</code>	<code>object</code>	ManualGrayReleaseStatus defines the observed state of ManualGrayRelease

## .spec

### Description

ManualGrayReleaseSpec defines the desired state of ManualGrayRelease

### Type

`object`

### Required

`deliverType`

`desiredStep`

`from`

`grayWorkloads`

`rollBack`

`targetRef`

Property	Type	Description
<code>deliverType</code>	<code>string</code>	deliver type, canary or ab or others
<code>desiredStep</code>	<code>string</code>	whether the canary deliver is form table or yaml creat

Property	Type	Description
from	string	whether the canary deliver is form table or yaml creat
grayWorkloads	array	
rollBack	boolean	check for if should cangle gray release
targetRef	object	TargetRef references a target resource

## .spec.grayWorkloads

### Type

array

## .spec.grayWorkloads[]

### Type

object

### Required

suffix

templateSpec

Property	Type	Description
replicas	integer	Name of the referent
suffix	string	canary resources suffix

Property	Type	Description
<code>templateSpec</code>	<code>string</code>	the workload template spec

## `.spec.targetRef`

### Description

TargetRef references a target resource

### Type

`object`

### Required

`name`

Property	Type	Description
<code>apiVersion</code>	<code>string</code>	API version of the referent
<code>kind</code>	<code>string</code>	Kind of the referent
<code>name</code>	<code>string</code>	Name of the referent
<code>namespace</code>	<code>string</code>	Namespace of the referent

## `.status`

### Description

ManualGrayReleaseStatus defines the observed state of ManualGrayRelease

**Type**

object

**Required**

phase

Property	Type	Description
conditions	array	
grayWorkloadDeployTime	string	GrayWorkloadDeployTime of this condition
grayWorkloadReadyTime	string	GrayWorkloadReadyTime of this condition
phase	string	ManualGrayPhase is a label for the condition of a canary at the current time
targetRefApplyTime	string	TargetRefApplyTime of this condition
targetRefReadyTime	string	TargetRefReadyTime of this condition

**.status.conditions****Type**

array

**.status.conditions[]****Description**

ManualCanaryCondition is a status condition for a Canary

## Type

object

## Required

step

Property	Type	Description
err	string	err if the target not valid
lastTransitionTime	string	LastTransitionTime of this condition
message	string	Message associated with this condition
phase	string	phase of this condition
startTime	string	StartTime of this condition
step	string	Type of this condition

## API Endpoints

The following API endpoints are available:

- `/apis/asm.alauda.io/v1alpha1/namespaces/{namespace}/manualgrayreleases`
  - `DELETE` : delete collection of ManualGrayRelease

- **GET** : list objects of kind ManualGrayRelease
- **POST** : create a new ManualGrayRelease
- `/apis/asm.alauda.io/v1alpha1/namespaces/{namespace}/manualgrayreleases/{name}`
  - **DELETE** : delete the specified ManualGrayRelease
  - **GET** : read the specified ManualGrayRelease
  - **PATCH** : partially update the specified ManualGrayRelease
  - **PUT** : replace the specified ManualGrayRelease
- `/apis/asm.alauda.io/v1alpha1/namespaces/{namespace}/manualgrayreleases/{name}/status`
  - **GET** : read status of the specified ManualGrayRelease
  - **PATCH** : partially update status of the specified ManualGrayRelease
  - **PUT** : replace status of the specified ManualGrayRelease

## `/apis/asm.alauda.io/v1alpha1/namespaces/{namespace}/manualgrayreleases`

### HTTP method

**DELETE**

### Description

delete collection of ManualGrayRelease

### HTTP responses

HTTP code	Response body
200 - OK	<a href="#">Status</a> schema
401 - Unauthorized	Empty

### HTTP method

**GET**

## Description

list objects of kind ManualGrayRelease

## HTTP responses

HTTP code	Response body
200 - OK	<code>ManualGrayReleaseList</code> schema
401 - Unauthorized	Empty

## HTTP method

POST

## Description

create a new ManualGrayRelease

## Query parameters

Parameter	Type	Description
<code>dryRun</code>	<code>string</code>	When present, indicates that modifications should not be persisted. An invalid or unrecognized dryRun directive will result in an error response and no further processing of the request. Valid values are: - All: all dry run stages will be processed
<code>fieldValidation</code>	<code>string</code>	fieldValidation instructs the server on how to handle objects in the request (POST/PUT/PATCH) containing unknown or duplicate fields. Valid values are: - Ignore: This will ignore any unknown fields that are silently dropped from the object, and will ignore all but the last duplicate field that the decoder encounters. This is the default behavior prior to v1.23. - Warn: This will send a warning via the standard warning response header for each unknown field that is dropped from the object, and for each duplicate field that is encountered. The request will still succeed if there are no other errors, and will only persist the last of any duplicate fields. This is the default in v1.23+ - Strict: This will fail the request with a BadRequest error if any unknown fields would be dropped from the object, or if any duplicate

Parameter	Type	Description
		fields are present. The error returned from the server will contain all unknown and duplicate fields encountered.

### Body parameters

Parameter	Type	Description
body	ManualGrayRelease schema	application/json formatted

### HTTP responses

HTTP code	Response body
200 - OK	ManualGrayRelease schema
201 - Created	ManualGrayRelease schema
202 - Accepted	ManualGrayRelease schema
401 - Unauthorized	Empty

## /apis/asm.alauda.io/v1alpha1/namespaces/{namespace}/manualgrayreleases/{name}

### HTTP method

DELETE

### Description

delete the specified ManualGrayRelease

### Query parameters

Parameter	Type	Description
dryRun	string	When present, indicates that modifications should not be persisted. An invalid or unrecognized dryRun directive will

Parameter	Type	Description
		result in an error response and no further processing of the request. Valid values are: - All: all dry run stages will be processed

## HTTP responses

HTTP code	Response body
200 - OK	<a href="#">Status</a> schema
202 - Accepted	<a href="#">Status</a> schema
401 - Unauthorized	Empty

## HTTP method

GET

## Description

read the specified ManualGrayRelease

## HTTP responses

HTTP code	Response body
200 - OK	<a href="#">ManualGrayRelease</a> schema
401 - Unauthorized	Empty

## HTTP method

PATCH

## Description

partially update the specified ManualGrayRelease

## Query parameters

Parameter	Type	Description
<code>dryRun</code>	<code>string</code>	When present, indicates that modifications should not be persisted. An invalid or unrecognized <code>dryRun</code> directive will result in an error response and no further processing of the request. Valid values are: - All: all dry run stages will be processed
<code>fieldValidation</code>	<code>string</code>	<code>fieldValidation</code> instructs the server on how to handle objects in the request (POST/PUT/PATCH) containing unknown or duplicate fields. Valid values are: - Ignore: This will ignore any unknown fields that are silently dropped from the object, and will ignore all but the last duplicate field that the decoder encounters. This is the default behavior prior to v1.23. - Warn: This will send a warning via the standard warning response header for each unknown field that is dropped from the object, and for each duplicate field that is encountered. The request will still succeed if there are no other errors, and will only persist the last of any duplicate fields. This is the default in v1.23+ - Strict: This will fail the request with a <code>BadRequest</code> error if any unknown fields would be dropped from the object, or if any duplicate fields are present. The error returned from the server will contain all unknown and duplicate fields encountered.

## HTTP responses

HTTP code	Response body
200 - OK	<code>ManualGrayRelease</code> schema
401 - Unauthorized	Empty

## HTTP method

`PUT`

## Description

replace the specified `ManualGrayRelease`

## Query parameters

Parameter	Type	Description
<code>dryRun</code>	<code>string</code>	When present, indicates that modifications should not be persisted. An invalid or unrecognized <code>dryRun</code> directive will result in an error response and no further processing of the request. Valid values are: - All: all dry run stages will be processed
<code>fieldValidation</code>	<code>string</code>	<code>fieldValidation</code> instructs the server on how to handle objects in the request (POST/PUT/PATCH) containing unknown or duplicate fields. Valid values are: - Ignore: This will ignore any unknown fields that are silently dropped from the object, and will ignore all but the last duplicate field that the decoder encounters. This is the default behavior prior to v1.23. - Warn: This will send a warning via the standard warning response header for each unknown field that is dropped from the object, and for each duplicate field that is encountered. The request will still succeed if there are no other errors, and will only persist the last of any duplicate fields. This is the default in v1.23+ - Strict: This will fail the request with a <code>BadRequest</code> error if any unknown fields would be dropped from the object, or if any duplicate fields are present. The error returned from the server will contain all unknown and duplicate fields encountered.

## Body parameters

Parameter	Type	Description
<code>body</code>	<code>ManualGrayRelease</code> schema	<code>application/json</code> formatted

## HTTP responses

HTTP code	Response body
200 - OK	<code>ManualGrayRelease</code> schema

HTTP code	Response body
201 - Created	<code>ManualGrayRelease</code> schema
401 - Unauthorized	Empty

## /apis/asm.alauda.io/v1alpha1/namespaces/{namespace}/manualgrayreleases/{name}/status

### HTTP method

GET

### Description

read status of the specified ManualGrayRelease

### HTTP responses

HTTP code	Response body
200 - OK	<code>ManualGrayRelease</code> schema
401 - Unauthorized	Empty

### HTTP method

PATCH

### Description

partially update status of the specified ManualGrayRelease

### Query parameters

Parameter	Type	Description
<code>dryRun</code>	<code>string</code>	When present, indicates that modifications should not be persisted. An invalid or unrecognized dryRun directive will result in an error response and no further processing of the request. Valid values are: - All: all dry run stages will be processed

Parameter	Type	Description
<code>fieldValidation</code>	<code>string</code>	<p><code>fieldValidation</code> instructs the server on how to handle objects in the request (POST/PUT/PATCH) containing unknown or duplicate fields. Valid values are:</p> <ul style="list-style-type: none"> <li>- Ignore: This will ignore any unknown fields that are silently dropped from the object, and will ignore all but the last duplicate field that the decoder encounters. This is the default behavior prior to v1.23.</li> <li>- Warn: This will send a warning via the standard warning response header for each unknown field that is dropped from the object, and for each duplicate field that is encountered. The request will still succeed if there are no other errors, and will only persist the last of any duplicate fields. This is the default in v1.23+.</li> <li>- Strict: This will fail the request with a <code>BadRequest</code> error if any unknown fields would be dropped from the object, or if any duplicate fields are present. The error returned from the server will contain all unknown and duplicate fields encountered.</li> </ul>

## HTTP responses

HTTP code	Response body
200 - OK	<code>ManualGrayRelease</code> schema
401 - Unauthorized	Empty

## HTTP method

`PUT`

## Description

replace status of the specified `ManualGrayRelease`

## Query parameters

Parameter	Type	Description
<code>dryRun</code>	<code>string</code>	When present, indicates that modifications should not be persisted. An invalid or unrecognized <code>dryRun</code>

Parameter	Type	Description
		directive will result in an error response and no further processing of the request. Valid values are: - All: all dry run stages will be processed
<code>fieldValidation</code>	<code>string</code>	fieldValidation instructs the server on how to handle objects in the request (POST/PUT/PATCH) containing unknown or duplicate fields. Valid values are: - Ignore: This will ignore any unknown fields that are silently dropped from the object, and will ignore all but the last duplicate field that the decoder encounters. This is the default behavior prior to v1.23. - Warn: This will send a warning via the standard warning response header for each unknown field that is dropped from the object, and for each duplicate field that is encountered. The request will still succeed if there are no other errors, and will only persist the last of any duplicate fields. This is the default in v1.23+ - Strict: This will fail the request with a BadRequest error if any unknown fields would be dropped from the object, or if any duplicate fields are present. The error returned from the server will contain all unknown and duplicate fields encountered.

## Body parameters

Parameter	Type	Description
<code>body</code>	<code>ManualGrayRelease</code> schema	<code>application/json</code> formatted

## HTTP responses

HTTP code	Response body
200 - OK	<code>ManualGrayRelease</code> schema
201 - Created	<code>ManualGrayRelease</code> schema
401 - Unauthorized	Empty



## Description

MicroService is the Schema for the microservices API

## Type

object

## Specification

Property	Type	Description
<code>apiVersion</code>	<code>string</code>	APIVersion defines the versioned schema of this representation of an object. Servers should convert recognized schemas to the latest internal value, and may reject unrecognized values. More info: <a href="https://git.k8s.io/community/contributors/devel/sig-architecture/api-conventions.md#resources">https://git.k8s.io/community/contributors/devel/sig-architecture/api-conventions.md#resources</a>
<code>kind</code>	<code>string</code>	Kind is a string value representing the REST resource this object represents. Servers may infer this from the endpoint the client submits requests to. Cannot be updated. In CamelCase. More info: <a href="https://git.k8s.io/community/contributors/devel/sig-architecture/api-conventions.md#types-kinds">https://git.k8s.io/community/contributors/devel/sig-architecture/api-conventions.md#types-kinds</a>

Property	Type	Description
metadata	<a href="#">ObjectMeta</a>	ObjectMeta is metadata that all persisted resources must have, which includes all objects users must create.
spec	object	MicroServiceSpec defines the desired state of MicroService
status	object	MicroServiceStatus defines the observed state of MicroService

## .spec

### Description

MicroServiceSpec defines the desired state of MicroService

### Type

object

Property	Type	Description
daemonsets	array	
deployments	array	
services	array	
statefulsets	array	

## .spec.daemonsets

### Type

array

## .spec.daemonsets[]

### Type

object

### Required

name

Property	Type	Description
name	string	
version	string	

## .spec.deployments

### Type

array

## .spec.deployments[]

### Type

object

### Required

name

Property	Type	Description
name	string	
version	string	

## **.spec.services**

### Type

array

## **.spec.services[]**

### Type

string

## **.spec.statefulsets**

### Type

array

## **.spec.statefulsets[]**

### Type

object

### Required

name

Property	Type	Description
name	string	
version	string	

## **.status**

### Description

MicroServiceStatus defines the observed state of MicroService

### Type

object

## API Endpoints

The following API endpoints are available:

- `/apis/asm.alauda.io/v1beta1/namespaces/{namespace}/microservices`
  - **DELETE** : delete collection of MicroService
  - **GET** : list objects of kind MicroService
  - **POST** : create a new MicroService
- `/apis/asm.alauda.io/v1beta1/namespaces/{namespace}/microservices/{name}`
  - **DELETE** : delete the specified MicroService
  - **GET** : read the specified MicroService
  - **PATCH** : partially update the specified MicroService
  - **PUT** : replace the specified MicroService
- `/apis/asm.alauda.io/v1beta1/namespaces/{namespace}/microservices/{name}/status`
  - **GET** : read status of the specified MicroService
  - **PATCH** : partially update status of the specified MicroService
  - **PUT** : replace status of the specified MicroService

## `/apis/asm.alauda.io/v1beta1/namespaces/{namespace}/microservices`

### HTTP method

**DELETE**

### Description

delete collection of MicroService

### HTTP responses

HTTP code	Response body
200 - OK	<code>Status</code> schema
401 - Unauthorized	Empty

## HTTP method

GET

## Description

list objects of kind MicroService

## HTTP responses

HTTP code	Response body
200 - OK	<code>MicroServiceList</code> schema
401 - Unauthorized	Empty

## HTTP method

POST

## Description

create a new MicroService

## Query parameters

Parameter	Type	Description
<code>dryRun</code>	<code>string</code>	When present, indicates that modifications should not be persisted. An invalid or unrecognized dryRun directive will result in an error response and no further processing of the request. Valid values are: - All: all dry run stages will be processed
<code>fieldValidation</code>	<code>string</code>	fieldValidation instructs the server on how to handle objects in the request (POST/PUT/PATCH) containing unknown or duplicate fields. Valid values are: - Ignore: This will ignore any unknown fields that are silently dropped from the object, and will ignore all but the last

Parameter	Type	Description
		duplicate field that the decoder encounters. This is the default behavior prior to v1.23. - Warn: This will send a warning via the standard warning response header for each unknown field that is dropped from the object, and for each duplicate field that is encountered. The request will still succeed if there are no other errors, and will only persist the last of any duplicate fields. This is the default in v1.23+ - Strict: This will fail the request with a BadRequest error if any unknown fields would be dropped from the object, or if any duplicate fields are present. The error returned from the server will contain all unknown and duplicate fields encountered.

### Body parameters

Parameter	Type	Description
body	MicroService schema	application/json formatted

### HTTP responses

HTTP code	Response body
200 - OK	MicroService schema
201 - Created	MicroService schema
202 - Accepted	MicroService schema
401 - Unauthorized	Empty

**/apis/asm.alauda.io/v1beta1/namespaces/{namespace}/microservices/{name}**

### HTTP method

DELETE

## Description

delete the specified MicroService

## Query parameters

Parameter	Type	Description
<code>dryRun</code>	<code>string</code>	When present, indicates that modifications should not be persisted. An invalid or unrecognized dryRun directive will result in an error response and no further processing of the request. Valid values are: - All: all dry run stages will be processed

## HTTP responses

HTTP code	Response body
200 - OK	<code>Status</code> schema
202 - Accepted	<code>Status</code> schema
401 - Unauthorized	Empty

## HTTP method

`GET`

## Description

read the specified MicroService

## HTTP responses

HTTP code	Response body
200 - OK	<code>MicroService</code> schema
401 - Unauthorized	Empty

## HTTP method

`PATCH`

## Description

partially update the specified MicroService

## Query parameters

Parameter	Type	Description
<code>dryRun</code>	<code>string</code>	When present, indicates that modifications should not be persisted. An invalid or unrecognized <code>dryRun</code> directive will result in an error response and no further processing of the request. Valid values are: - All: all dry run stages will be processed
<code>fieldValidation</code>	<code>string</code>	<code>fieldValidation</code> instructs the server on how to handle objects in the request (POST/PUT/PATCH) containing unknown or duplicate fields. Valid values are: - Ignore: This will ignore any unknown fields that are silently dropped from the object, and will ignore all but the last duplicate field that the decoder encounters. This is the default behavior prior to v1.23. - Warn: This will send a warning via the standard warning response header for each unknown field that is dropped from the object, and for each duplicate field that is encountered. The request will still succeed if there are no other errors, and will only persist the last of any duplicate fields. This is the default in v1.23+ - Strict: This will fail the request with a <code>BadRequest</code> error if any unknown fields would be dropped from the object, or if any duplicate fields are present. The error returned from the server will contain all unknown and duplicate fields encountered.

## HTTP responses

HTTP code	Response body
200 - OK	<code>MicroService</code> schema
401 - Unauthorized	Empty

## HTTP method

`PUT`

## Description

replace the specified MicroService

## Query parameters

Parameter	Type	Description
<code>dryRun</code>	<code>string</code>	When present, indicates that modifications should not be persisted. An invalid or unrecognized <code>dryRun</code> directive will result in an error response and no further processing of the request. Valid values are: - All: all dry run stages will be processed
<code>fieldValidation</code>	<code>string</code>	<code>fieldValidation</code> instructs the server on how to handle objects in the request (POST/PUT/PATCH) containing unknown or duplicate fields. Valid values are: - Ignore: This will ignore any unknown fields that are silently dropped from the object, and will ignore all but the last duplicate field that the decoder encounters. This is the default behavior prior to v1.23. - Warn: This will send a warning via the standard warning response header for each unknown field that is dropped from the object, and for each duplicate field that is encountered. The request will still succeed if there are no other errors, and will only persist the last of any duplicate fields. This is the default in v1.23+ - Strict: This will fail the request with a <code>BadRequest</code> error if any unknown fields would be dropped from the object, or if any duplicate fields are present. The error returned from the server will contain all unknown and duplicate fields encountered.

## Body parameters

Parameter	Type	Description
<code>body</code>	<code>MicroService</code> schema	<code>application/json</code> formatted

## HTTP responses

HTTP code	Response body
200 - OK	<code>MicroService</code> schema
201 - Created	<code>MicroService</code> schema
401 - Unauthorized	Empty

## /apis/asm.alauda.io/v1beta1/namespaces/{namespace}/microservices/{name}/status

### HTTP method

GET

### Description

read status of the specified MicroService

### HTTP responses

HTTP code	Response body
200 - OK	<code>MicroService</code> schema
401 - Unauthorized	Empty

### HTTP method

PATCH

### Description

partially update status of the specified MicroService

### Query parameters

Parameter	Type	Description
<code>dryRun</code>	<code>string</code>	When present, indicates that modifications should not be persisted. An invalid or unrecognized dryRun directive will result in an error response and no further

Parameter	Type	Description
		processing of the request. Valid values are: - All: all dry run stages will be processed
<code>fieldValidation</code>	<code>string</code>	<p><code>fieldValidation</code> instructs the server on how to handle objects in the request (POST/PUT/PATCH) containing unknown or duplicate fields. Valid values are: - Ignore: This will ignore any unknown fields that are silently dropped from the object, and will ignore all but the last duplicate field that the decoder encounters. This is the default behavior prior to v1.23. - Warn: This will send a warning via the standard warning response header for each unknown field that is dropped from the object, and for each duplicate field that is encountered. The request will still succeed if there are no other errors, and will only persist the last of any duplicate fields. This is the default in v1.23+ - Strict: This will fail the request with a BadRequest error if any unknown fields would be dropped from the object, or if any duplicate fields are present. The error returned from the server will contain all unknown and duplicate fields encountered.</p>

## HTTP responses

HTTP code	Response body
200 - OK	<code>MicroService</code> schema
401 - Unauthorized	Empty

## HTTP method

`PUT`

## Description

replace status of the specified MicroService

## Query parameters

Parameter	Type	Description
<code>dryRun</code>	<code>string</code>	When present, indicates that modifications should not be persisted. An invalid or unrecognized <code>dryRun</code> directive will result in an error response and no further processing of the request. Valid values are: - All: all dry run stages will be processed
<code>fieldValidation</code>	<code>string</code>	<code>fieldValidation</code> instructs the server on how to handle objects in the request (POST/PUT/PATCH) containing unknown or duplicate fields. Valid values are: - Ignore: This will ignore any unknown fields that are silently dropped from the object, and will ignore all but the last duplicate field that the decoder encounters. This is the default behavior prior to v1.23. - Warn: This will send a warning via the standard warning response header for each unknown field that is dropped from the object, and for each duplicate field that is encountered. The request will still succeed if there are no other errors, and will only persist the last of any duplicate fields. This is the default in v1.23+ - Strict: This will fail the request with a <code>BadRequest</code> error if any unknown fields would be dropped from the object, or if any duplicate fields are present. The error returned from the server will contain all unknown and duplicate fields encountered.

## Body parameters

Parameter	Type	Description
<code>body</code>	<code>MicroService</code> schema	<code>application/json</code> formatted

## HTTP responses

HTTP code	Response body
200 - OK	<code>MicroService</code> schema
201 - Created	<code>MicroService</code> schema

HTTP code	Response body
401 - Unauthorized	Empty

## Description

OutlierDetection is the Schema for the outlierdetections API

## Type

object

## Specification

Property	Type	Description
<code>apiVersion</code>	<code>string</code>	APIVersion defines the versioned schema of this representation of an object. Servers should convert recognized schemas to the latest internal value, and may reject unrecognized values. More info: <a href="https://git.k8s.io/community/contributors/devel/sig-architecture/api-conventions.md#resources">https://git.k8s.io/community/contributors/devel/sig-architecture/api-conventions.md#resources</a>
<code>kind</code>	<code>string</code>	Kind is a string value representing the REST resource this object represents. Servers may infer this from the endpoint the client submits requests to. Cannot be updated. In CamelCase. More info: <a href="https://git.k8s.io/community/contributors/devel/sig-architecture/api-conventions.md#types-kinds">https://git.k8s.io/community/contributors/devel/sig-architecture/api-conventions.md#types-kinds</a>

Property	Type	Description
<code>metadata</code>	<code>ObjectMeta</code> ↗	ObjectMeta is metadata that all persisted resources must have, which includes all objects users must create.
<code>spec</code>	<code>object</code>	OutlierDetectionSpec defines the desired state of OutlierDetection
<code>status</code>	<code>object</code>	OutlierDetectionStatus defines the observed state of OutlierDetection

## .spec

### Description

OutlierDetectionSpec defines the desired state of OutlierDetection

### Type

`object`

Property	Type	Description
<code>baseEjectionTime</code>	<code>string</code>	Minimum ejection duration. A host will remain ejected for a period equal to the product of minimum ejection duration and the number of times the host has been ejected. This technique allows the system to automatically increase the ejection period for unhealthy upstream servers. format: 1h/1m/1s/1ms. MUST BE >=1ms. Default is 30s.

Property	Type	Description
<code>consecutiveErrors</code>	<code>integer</code>	Number of errors before a host is ejected from the connection pool. Defaults to 5. When the upstream host is accessed over HTTP, a 502, 503, or 504 return code qualifies as an error. When the upstream host is accessed over an opaque TCP connection, connect timeouts and connection error/failure events qualify as an error.
<code>host</code>	<code>string</code>	
<code>interval</code>	<code>string</code>	Time interval between ejection sweep analysis. format: 1h/1m/1s/1ms. MUST BE >=1ms. Default is 10s.
<code>maxEjectionPercent</code>	<code>integer</code>	Maximum % of hosts in the load balancing pool for the upstream service that can be ejected. Defaults to 10%.

## .status

### Description

OutlierDetectionStatus defines the observed state of OutlierDetection

### Type

`object`

## API Endpoints

The following API endpoints are available:

- `/apis/asm.alauda.io/v1alpha1/namespaces/{namespace}/outlierdetections`
  - **DELETE** : delete collection of OutlierDetection
  - **GET** : list objects of kind OutlierDetection
  - **POST** : create a new OutlierDetection
- `/apis/asm.alauda.io/v1alpha1/namespaces/{namespace}/outlierdetections/{name}`
  - **DELETE** : delete the specified OutlierDetection
  - **GET** : read the specified OutlierDetection
  - **PATCH** : partially update the specified OutlierDetection
  - **PUT** : replace the specified OutlierDetection
- `/apis/asm.alauda.io/v1alpha1/namespaces/{namespace}/outlierdetections/{name}/status`
  - **GET** : read status of the specified OutlierDetection
  - **PATCH** : partially update status of the specified OutlierDetection
  - **PUT** : replace status of the specified OutlierDetection

## `/apis/asm.alauda.io/v1alpha1/namespaces/{namespace}/outlierdetections`

### HTTP method

**DELETE**

### Description

delete collection of OutlierDetection

### HTTP responses

HTTP code	Response body
200 - OK	<a href="#">Status</a> schema
401 - Unauthorized	Empty

## HTTP method

GET

## Description

list objects of kind OutlierDetection

## HTTP responses

HTTP code	Response body
200 - OK	<code>OutlierDetectionList</code> schema
401 - Unauthorized	Empty

## HTTP method

POST

## Description

create a new OutlierDetection

## Query parameters

Parameter	Type	Description
<code>dryRun</code>	<code>string</code>	When present, indicates that modifications should not be persisted. An invalid or unrecognized <code>dryRun</code> directive will result in an error response and no further processing of the request. Valid values are: - All: all dry run stages will be processed
<code>fieldValidation</code>	<code>string</code>	<code>fieldValidation</code> instructs the server on how to handle objects in the request (POST/PUT/PATCH) containing unknown or duplicate fields. Valid values are: - Ignore: This will ignore any unknown fields that are silently dropped from the object, and will ignore all but the last duplicate field that the decoder encounters. This is the default behavior prior to v1.23. - Warn: This will send a warning via the standard warning response header for each unknown field that is dropped from the object, and for each duplicate field that is encountered. The request will still succeed if there are no other errors, and will only persist the last of any duplicate fields.

Parameter	Type	Description
		This is the default in v1.23+ - Strict: This will fail the request with a BadRequest error if any unknown fields would be dropped from the object, or if any duplicate fields are present. The error returned from the server will contain all unknown and duplicate fields encountered.

### Body parameters

Parameter	Type	Description
body	OutlierDetection schema	application/json formatted

### HTTP responses

HTTP code	Response body
200 - OK	OutlierDetection schema
201 - Created	OutlierDetection schema
202 - Accepted	OutlierDetection schema
401 - Unauthorized	Empty

## /apis/asm.alauda.io/v1alpha1/namespaces/{namespace}/outlierdetections/{name}

### HTTP method

DELETE

### Description

delete the specified OutlierDetection

### Query parameters

Parameter	Type	Description
<code>dryRun</code>	<code>string</code>	When present, indicates that modifications should not be persisted. An invalid or unrecognized <code>dryRun</code> directive will result in an error response and no further processing of the request. Valid values are: - All: all dry run stages will be processed

## HTTP responses

HTTP code	Response body
200 - OK	<code>Status</code> <a href="#">↗</a> schema
202 - Accepted	<code>Status</code> <a href="#">↗</a> schema
401 - Unauthorized	Empty

## HTTP method

`GET`

## Description

read the specified `OutlierDetection`

## HTTP responses

HTTP code	Response body
200 - OK	<code>OutlierDetection</code> <a href="#">↗</a> schema
401 - Unauthorized	Empty

## HTTP method

`PATCH`

## Description

partially update the specified `OutlierDetection`

## Query parameters

Parameter	Type	Description
<code>dryRun</code>	<code>string</code>	When present, indicates that modifications should not be persisted. An invalid or unrecognized <code>dryRun</code> directive will result in an error response and no further processing of the request. Valid values are: - All: all dry run stages will be processed
<code>fieldValidation</code>	<code>string</code>	<code>fieldValidation</code> instructs the server on how to handle objects in the request (POST/PUT/PATCH) containing unknown or duplicate fields. Valid values are: - Ignore: This will ignore any unknown fields that are silently dropped from the object, and will ignore all but the last duplicate field that the decoder encounters. This is the default behavior prior to v1.23. - Warn: This will send a warning via the standard warning response header for each unknown field that is dropped from the object, and for each duplicate field that is encountered. The request will still succeed if there are no other errors, and will only persist the last of any duplicate fields. This is the default in v1.23+ - Strict: This will fail the request with a <code>BadRequest</code> error if any unknown fields would be dropped from the object, or if any duplicate fields are present. The error returned from the server will contain all unknown and duplicate fields encountered.

## HTTP responses

HTTP code	Response body
200 - OK	<code>OutlierDetection</code> schema
401 - Unauthorized	Empty

## HTTP method

`PUT`

## Description

replace the specified `OutlierDetection`

## Query parameters

Parameter	Type	Description
<code>dryRun</code>	<code>string</code>	When present, indicates that modifications should not be persisted. An invalid or unrecognized <code>dryRun</code> directive will result in an error response and no further processing of the request. Valid values are: - All: all dry run stages will be processed
<code>fieldValidation</code>	<code>string</code>	<code>fieldValidation</code> instructs the server on how to handle objects in the request (POST/PUT/PATCH) containing unknown or duplicate fields. Valid values are: - Ignore: This will ignore any unknown fields that are silently dropped from the object, and will ignore all but the last duplicate field that the decoder encounters. This is the default behavior prior to v1.23. - Warn: This will send a warning via the standard warning response header for each unknown field that is dropped from the object, and for each duplicate field that is encountered. The request will still succeed if there are no other errors, and will only persist the last of any duplicate fields. This is the default in v1.23+ - Strict: This will fail the request with a <code>BadRequest</code> error if any unknown fields would be dropped from the object, or if any duplicate fields are present. The error returned from the server will contain all unknown and duplicate fields encountered.

## Body parameters

Parameter	Type	Description
<code>body</code>	<code>OutlierDetection</code> schema	<code>application/json</code> formatted

## HTTP responses

HTTP code	Response body
200 - OK	<code>OutlierDetection</code> schema

HTTP code	Response body
201 - Created	<code>OutlierDetection</code> schema
401 - Unauthorized	Empty

## /apis/asm.alauda.io/v1alpha1/namespaces/{namespace}/outlierdetections/{name}/status

### HTTP method

GET

### Description

read status of the specified OutlierDetection

### HTTP responses

HTTP code	Response body
200 - OK	<code>OutlierDetection</code> schema
401 - Unauthorized	Empty

### HTTP method

PATCH

### Description

partially update status of the specified OutlierDetection

### Query parameters

Parameter	Type	Description
<code>dryRun</code>	<code>string</code>	When present, indicates that modifications should not be persisted. An invalid or unrecognized dryRun directive will result in an error response and no further processing of the request. Valid values are: - All: all dry run stages will be processed

Parameter	Type	Description
<code>fieldValidation</code>	<code>string</code>	<p><code>fieldValidation</code> instructs the server on how to handle objects in the request (POST/PUT/PATCH) containing unknown or duplicate fields. Valid values are:</p> <ul style="list-style-type: none"> <li>- Ignore: This will ignore any unknown fields that are silently dropped from the object, and will ignore all but the last duplicate field that the decoder encounters. This is the default behavior prior to v1.23.</li> <li>- Warn: This will send a warning via the standard warning response header for each unknown field that is dropped from the object, and for each duplicate field that is encountered. The request will still succeed if there are no other errors, and will only persist the last of any duplicate fields. This is the default in v1.23+.</li> <li>- Strict: This will fail the request with a <code>BadRequest</code> error if any unknown fields would be dropped from the object, or if any duplicate fields are present. The error returned from the server will contain all unknown and duplicate fields encountered.</li> </ul>

## HTTP responses

HTTP code	Response body
200 - OK	<code>OutlierDetection</code> schema
401 - Unauthorized	Empty

## HTTP method

`PUT`

## Description

replace status of the specified `OutlierDetection`

## Query parameters

Parameter	Type	Description
<code>dryRun</code>	<code>string</code>	When present, indicates that modifications should not be persisted. An invalid or unrecognized <code>dryRun</code>

Parameter	Type	Description
		directive will result in an error response and no further processing of the request. Valid values are: - All: all dry run stages will be processed
<code>fieldValidation</code>	<code>string</code>	fieldValidation instructs the server on how to handle objects in the request (POST/PUT/PATCH) containing unknown or duplicate fields. Valid values are: - Ignore: This will ignore any unknown fields that are silently dropped from the object, and will ignore all but the last duplicate field that the decoder encounters. This is the default behavior prior to v1.23. - Warn: This will send a warning via the standard warning response header for each unknown field that is dropped from the object, and for each duplicate field that is encountered. The request will still succeed if there are no other errors, and will only persist the last of any duplicate fields. This is the default in v1.23+ - Strict: This will fail the request with a BadRequest error if any unknown fields would be dropped from the object, or if any duplicate fields are present. The error returned from the server will contain all unknown and duplicate fields encountered.

## Body parameters

Parameter	Type	Description
<code>body</code>	<code>OutlierDetection</code> schema	<code>application/json</code> formatted

## HTTP responses

HTTP code	Response body
200 - OK	<code>OutlierDetection</code> schema
201 - Created	<code>OutlierDetection</code> schema
401 - Unauthorized	Empty



## Description

ServiceMeshGroup is the Schema for the servicemeshgroups API

## Type

object

## Specification

Property	Type	Description
apiVersion	string	APIVersion defines the versioned schema of this representation of an object. Servers should convert recognized schemas to the latest internal value, and may reject unrecognized values. More info: <a href="https://git.k8s.io/community/contributors/devel/sig-architecture/api-conventions.md#resources">https://git.k8s.io/community/contributors/devel/sig-architecture/api-conventions.md#resources</a>
kind	string	Kind is a string value representing the REST resource this object represents. Servers may infer this from the endpoint the client submits requests to. Cannot be updated. In CamelCase. More info: <a href="https://git.k8s.io/community/contributors/devel/sig-architecture/api-conventions.md#types-kinds">https://git.k8s.io/community/contributors/devel/sig-architecture/api-conventions.md#types-kinds</a>
metadata	ObjectMeta	ObjectMeta is metadata that all persisted resources must have, which includes all objects users must create.
spec	object	ServiceMeshGroupSpec defines the desired state of ServiceMeshGroup
status	object	ServiceMeshGroupStatus defines the observed state of ServiceMeshGroup

## .spec

### Description

ServiceMeshGroupSpec defines the desired state of ServiceMeshGroup

### Type

object

### Required

primary

Property	Type	Description
caConfig	object	

Property	Type	Description
clusters	array	
groupID	string	
istioConfig	object	
istioVersion	string	
k8sVersion	string	
meshCommonConfig	object	
meshConfig	object	
multiCluster	object	
network	string	
primary	string	Deprecated: PrimaryCluster 仅做为主从结构的兼容性保留，不再使用
selector	object	A label selector is a label query over a set of resources. The result of matchLabels and matchExpressions are ANDed. An empty label selector matches all objects. A null label selector matches no objects.

## .spec.caConfig

### Type

object

Property	Type	Description
certmanager	object	Certmanager is generated CA for Istio
insecure	object	Deprecated: Insecure, use Certmanager instead For compatibility reasons, insecure CA is used by default

## .spec.caConfig.certmanager

### Description

Certmanager is generated CA for Istio

### Type

object

## .spec.caConfig.insecure

### Description

Deprecated: Insecure, use Certmanager instead For compatibility reasons, insecure CA is used by default

### Type

object

## .spec.clusters

### Type

array

## .spec.clusters[]

### Type

string

## .spec.istioConfig

### Type

object

Property	Type	Description
<code>localityLbSetting</code>	object	<p>Locality-weighted load balancing allows administrators to control the distribution of traffic to endpoints based on the using arbitrary labels that designate a hierarchy of localities in {region}/{zone}/{sub-zone} form. For additional detail Given a mesh with workloads and their service deployed to "us-west/zone1/" and "us-west/zone2/". This example s the traffic will be sent to endpoints in "us-west/zone1/", i.e the same zone, and the remaining 20% will go to endpoint locality. A similar setting is specified for traffic originating in "us-west/zone2".</p> <pre>distribute: - from: us-west/zone1/* to: "us-west/zone1/*": 80 "us-west/zone2/*": 20</pre> <p>If the goal of the operator is not to distribute load across zones and regions but rather to restrict the regionality of fa 'distribute' policy. The following example sets up a locality failover policy for regions. Assume a service resides in z become unhealthy traffic should failover to endpoints in any zone or sub-zone within eu-west and similarly us-west</p> <pre>failover: - from: us-east to: eu-west - from: us-west to: us-east</pre>

## .spec.istioConfig.localityLbSetting

### Description

Locality-weighted load balancing allows administrators to control the distribution of traffic to endpoints based on the localities of where the traffic originates and where it will terminate. These localities are specified using arbitrary labels that designate a hierarchy of localities in {region}/{zone}/{sub-zone} form. For additional detail refer to [Locality Weight] ([https://www.envoyproxy.io/docs/envoy/latest/intro/arch\\_overview/upstream/load\\_balancing/locality\\_weight](https://www.envoyproxy.io/docs/envoy/latest/intro/arch_overview/upstream/load_balancing/locality_weight)) The following example shows how to setup locality weights mesh-wide. Given a mesh with workloads and their service deployed to "us-west/zone1/" and "us-west/zone2/". This example specifies that when traffic accessing a service originates from workloads in "us-west/zone1/", 80% of the traffic will be sent to endpoints in "us-west/zone1/", i.e the same zone, and the remaining 20% will go to endpoints in "us-west/zone2/". This setup is intended to favor routing traffic to endpoints in the same locality. A similar setting is specified for traffic originating in "us-west/zone2/". ``yaml distribute: - from: us-west/zone1/\* to: "us-west/zone1/\*": 80 "us-west/zone2/\*": 20 - from: us-west/zone2/\* to: "us-west/zone1/\*": 20 "us-west/zone2/\*": 80 ``

If the goal of the operator is not to distribute load across zones and regions but rather to restrict the regionality of failover to meet other operational requirements an operator can set a 'failover' policy instead of a 'distribute' policy. The following example sets up a locality failover policy for regions. Assume a service resides in zones within us-east, us-west & eu-west this example specifies that when endpoints within us-east become unhealthy traffic should failover to endpoints in any zone or sub-zone within eu-west and similarly us-west should failover to us-east. ``yaml failover: - from: us-east to: eu-west - from: us-west to: us-east ``

## Type

object

Property	Type	Description
<code>distribute</code>	array	Explicitly specify loadbalancing weight across different zones and geographical locations. Refer to <a href="#">Locality weighted load balancing</a> ✓ If empty, the locality weight is set according to the endpoints number within it.
<code>enabled</code>	boolean	e.g. true means that turn on locality load balancing for this DestinationRule no matter what mesh wide settings is.
<code>failover</code>	array	Optional: only one of distribute, failover or failoverPriority can be set. Explicitly specify the region traffic will land on when endpoints in local region becomes unhealthy. Should be used together with OutlierDetection to detect unhealthy endpoints. Note: if no OutlierDetection specified, this will not take effect.
<code>failoverPriority</code>	array	<p>failoverPriority is an ordered list of labels used to sort endpoints to do priority based load balancing. This is to support traffic failover across different groups of endpoints. Suppose there are total N labels specified:</p> <ol style="list-style-type: none"> <li>1. Endpoints matching all N labels with the client proxy have priority P(0) i.e. the highest priority.</li> <li>2. Endpoints matching the first N-1 labels with the client proxy have priority P(1) i.e. second highest priority.</li> <li>3. By extension of this logic, endpoints matching only the first label with the client proxy has priority P(N-1) i.e. second lowest priority.</li> <li>4. All the other endpoints have priority P(N) i.e. lowest priority.</li> </ol> <p>Note: For a label to be considered for match, the previous labels must match, i.e. nth label would be considered matched only if first n-1 labels match. It can be any label specified on both client and server workloads. The following labels which have special semantic meaning are also supported:</p> <ul style="list-style-type: none"> <li>• <code>topology.istio.io/network</code> is used to match the network metadata of an endpoint, which can be specified by pod/namespace label <code>topology.istio.io/network</code>, sidecar env <code>ISTIO_META_NETWORK</code> or MeshNetworks. - <code>topology.istio.io/cluster</code> is used to match the clusterID of an endpoint, which can be specified by pod label <code>topology.istio.io/cluster</code> or pod env <code>ISTIO_META_CLUSTER_ID</code> . - <code>topology.kubernetes.io/region</code> is used to match the region metadata of an endpoint, which maps to Kubernetes node label <code>topology.kubernetes.io/region</code> or the deprecated label <code>failure-domain.beta.kubernetes.io/region</code> . - <code>topology.kubernetes.io/zone</code> is used to match the zone metadata of an endpoint, which maps to Kubernetes node label <code>topology.kubernetes.io/zone</code> or the deprecated label <code>failure-domain.beta.kubernetes.io/zone</code> . - <code>topology.istio.io/subzone</code> is used to match the subzone metadata of an endpoint, which maps to Istio node label <code>topology.istio.io/subzone</code> . The below topology config indicates the following priority levels: <pre>yaml failoverPriority: - "topology.istio.io/network" - "topology.kubernetes.io/region" - "topology.kubernetes.io/zone" - "topology.istio.io/subzone"</pre></li> </ul> <ol style="list-style-type: none"> <li>1. endpoints match same [network, region, zone, subzone] label with the client proxy have the highest priority.</li> <li>2. endpoints have same [network, region, zone] label but different [subzone] label with the client proxy have the second highest priority.</li> <li>3. endpoints have same [network, region] label but different [zone] label with the client proxy have the third highest priority.</li> <li>4. endpoints have same [network] but different [region] labels with the client proxy have the fourth highest priority.</li> <li>5. all the other endpoints have the same lowest priority.</li> </ol> <p>Optional: only one of distribute, failover or failoverPriority can be set. And it should be used together with <a href="#">OutlierDetection</a> to detect unhealthy endpoints, otherwise has no effect.</p>

**Description**

Explicitly specify loadbalancing weight across different zones and geographical locations. Refer to [Locality weighted load balancing] ([https://www.envoyproxy.io/docs/envoy/latest/intro/arch\\_overview/upstream/load\\_balancing/locality\\_weight](https://www.envoyproxy.io/docs/envoy/latest/intro/arch_overview/upstream/load_balancing/locality_weight)) If empty, the locality weight is set according to the endpoints number within it.

**Type**

array

**.spec.istioConfig.localityLbSetting.distribute[]****Description**

Describes how traffic originating in the 'from' zone or sub-zone is distributed over a set of 'to' zones. Syntax for specifying a zone is {region}/{zone}/{sub-zone} and terminal wildcards are allowed on any segment of the specification. Examples: `\*` - matches all localities `us-west/\*` - all zones and sub-zones within the us-west region `us-west/zone-1/\*` - all sub-zones within us-west/zone-1

**Type**

object

Property	Type	Description
from	string	Originating locality, '/' separated, e.g. 'region/zone/sub_zone'.
to	object	Map of upstream localities to traffic distribution weights. The sum of all weights should be 100. Any locality not present will receive no traffic.

**.spec.istioConfig.localityLbSetting.distribute[].to****Description**

Map of upstream localities to traffic distribution weights. The sum of all weights should be 100. Any locality not present will receive no traffic.

**Type**

object

**.spec.istioConfig.localityLbSetting.failover****Description**

Optional: only one of distribute, failover or failoverPriority can be set. Explicitly specify the region traffic will land on when endpoints in local region becomes unhealthy. Should be used together with OutlierDetection to detect unhealthy endpoints. Note: if no OutlierDetection specified, this will not take effect.

**Type**

array

**.spec.istioConfig.localityLbSetting.failover[]****Description**

Specify the traffic failover policy across regions. Since zone and sub-zone failover is supported by default this only needs to be specified for regions when the operator needs to constrain traffic failover so that the default behavior of failing over to any endpoint globally does not apply. This is useful when failing over traffic across regions would not improve service health or may need to be restricted for other reasons like regulatory controls.

**Type**

object

Property	Type	Description
from	string	Originating region.
to	string	Destination region the traffic will fail over to when endpoints in the 'from' region becomes unhealthy.

## .spec.istioConfig.localityLbSetting.failoverPriority

### Description

failoverPriority is an ordered list of labels used to sort endpoints to do priority based load balancing. This is to support traffic failover across different groups of endpoints. Suppose there are total N labels specified: 1. Endpoints matching all N labels with the client proxy have priority P(0) i.e. the highest priority. 2. Endpoints matching the first N-1 labels with the client proxy have priority P(1) i.e. second highest priority. 3. By extension of this logic, endpoints matching only the first label with the client proxy has priority P(N-1) i.e. second lowest priority. 4. All the other endpoints have priority P(N) i.e. lowest priority. Note: For a label to be considered for match, the previous labels must match, i.e. nth label would be considered matched only if first n-1 labels match. It can be any label specified on both client and server workloads. The following labels which have special semantic meaning are also supported: - `topology.istio.io/network` is used to match the network metadata of an endpoint, which can be specified by pod/namespace label `topology.istio.io/network`, sidecar env `ISTIO_META_NETWORK` or MeshNetworks. - `topology.istio.io/cluster` is used to match the clusterID of an endpoint, which can be specified by pod label `topology.istio.io/cluster` or pod env `ISTIO_META_CLUSTER_ID`. - `topology.kubernetes.io/region` is used to match the region metadata of an endpoint, which maps to Kubernetes node label `topology.kubernetes.io/region` or the deprecated label `failure-domain.beta.kubernetes.io/region`. - `topology.kubernetes.io/zone` is used to match the zone metadata of an endpoint, which maps to Kubernetes node label `topology.kubernetes.io/zone` or the deprecated label `failure-domain.beta.kubernetes.io/zone`. - `topology.istio.io/subzone` is used to match the subzone metadata of an endpoint, which maps to Istio node label `topology.istio.io/subzone`. The below topology config indicates the following priority levels: 

```
yaml failoverPriority: - "topology.istio.io/network" - "topology.kubernetes.io/region" - "topology.kubernetes.io/zone" - "topology.istio.io/subzone"
1. endpoints match same [network, region, zone, subzone] label with the client proxy have the highest priority.
2. endpoints have same [network, region, zone] label but different [subzone] label with the client proxy have the second highest priority.
3. endpoints have same [network, region] label but different [zone] label with the client proxy have the third highest priority.
4. endpoints have same [network] but different [region] labels with the client proxy have the fourth highest priority.
5. all the other endpoints have the same lowest priority.
Optional: only one of distribute, failover or failoverPriority can be set. And it should be used together with `OutlierDetection` to detect unhealthy endpoints, otherwise has no effect.
```

### Type

array

## .spec.istioConfig.localityLbSetting.failoverPriority[]

### Type

string

## .spec.meshCommonConfig

### Type

object

Property	Type	Description
elasticsearch	object	
isDefaultMonitor	boolean	

Property	Type	Description
<code>istioSidecar</code>	<code>object</code>	Deprecated: IstioSidecar
<code>jaeger</code>	<code>object</code>	
<code>kafka</code>	<code>object</code>	
<code>monitorType</code>	<code>string</code>	
<code>prometheusBasicAuth</code>	<code>object</code>	
<code>prometheusURL</code>	<code>string</code>	
<code>traceSampling</code>	<code>number</code>	Deprecated: TraceSampling

## `.spec.meshCommonConfig.elasticsearch`

### Type

`object`

Property	Type	Description
<code>enabled</code>	<code>boolean</code>	
<code>isDefault</code>	<code>boolean</code>	
<code>password</code>	<code>string</code>	
<code>secretName</code>	<code>string</code>	
<code>secretNamespace</code>	<code>string</code>	
<code>url</code>	<code>string</code>	
<code>username</code>	<code>string</code>	

## `.spec.meshCommonConfig.istioSidecar`

### Description

Deprecated: IstioSidecar

### Type

`object`

Property	Type	Description
<code>cpuValue</code>	<code>string</code>	
<code>memoryValue</code>	<code>string</code>	

## `.spec.meshCommonConfig.jaeger`

### Type

object

Property	Type	Description
indexPrefix	string	
strategy	string	

## .spec.meshCommonConfig.kafka

### Type

object

Property	Type	Description
authentication	string	
enabled	boolean	
password	string	
secretName	string	
secretNamespace	string	
tls	object	
url	string	
username	string	

## .spec.meshCommonConfig.kafka.tls

### Type

object

Property	Type	Description
enabled	boolean	
secretName	string	
secretNamespace	string	

## .spec.meshCommonConfig.prometheusBasicAuth

### Type

object

Property	Type	Description
enabled	boolean	
password	string	
secretName	string	

Property	Type	Description
<code>secretNamespace</code>	<code>string</code>	
<code>username</code>	<code>string</code>	

## .spec.meshConfig

### Type

`object`

## .spec.multiCluster

### Type

`object`

Property	Type	Description
<code>enabled</code>	<code>boolean</code>	Indicates that whether the multi-cluster feature is enabled.
<code>isMultiNetwork</code>	<code>boolean</code>	Indicates whether the servicemeshgroup is targeting a multi-network environment.

## .spec.selector

### Description

A label selector is a label query over a set of resources. The result of `matchLabels` and `matchExpressions` are ANDed. An empty label selector matches all objects. A null label selector matches no objects.

### Type

`object`

Property	Type	Description
<code>matchExpressions</code>	<code>array</code>	<code>matchExpressions</code> is a list of label selector requirements. The requirements are ANDed.
<code>matchLabels</code>	<code>object</code>	<code>matchLabels</code> is a map of {key,value} pairs. A single {key,value} in the <code>matchLabels</code> map is equivalent to an element of <code>matchExpressions</code> , whose key field is "key", the operator is "In", and the values array contains only "value". The requirements are ANDed.

## .spec.selector.matchExpressions

### Description

`matchExpressions` is a list of label selector requirements. The requirements are ANDed.

### Type

`array`

## `.spec.selector.matchExpressions[]`

### Description

A label selector requirement is a selector that contains values, a key, and an operator that relates the key and values.

### Type

object

### Required

key operator

Property	Type	Description
key	string	key is the label key that the selector applies to.
operator	string	operator represents a key's relationship to a set of values. Valid operators are In, NotIn, Exists and DoesNotExist.
values	array	values is an array of string values. If the operator is In or NotIn, the values array must be non-empty. If the operator is Exists or DoesNotExist, the values array must be empty. This array is replaced during a strategic merge patch.

## `.spec.selector.matchExpressions[].values`

### Description

values is an array of string values. If the operator is In or NotIn, the values array must be non-empty. If the operator is Exists or DoesNotExist, the values array must be empty. This array is replaced during a strategic merge patch.

### Type

array

## `.spec.selector.matchExpressions[].values[]`

### Type

string

## `.spec.selector.matchLabels`

### Description

matchLabels is a map of {key,value} pairs. A single {key,value} in the matchLabels map is equivalent to an element of matchExpressions, whose key field is "key", the operator is "In", and the values array contains only "value". The requirements are ANDed.

### Type

object

## `.status`

### Description

ServiceMeshGroupStatus defines the observed state of ServiceMeshGroup

### Type

object

Property	Type	Description
<code>clusterCount</code>	<code>integer</code>	
<code>latestUpdateTime</code>	<code>string</code>	
<code>meshStatus</code>	<code>object</code>	Individual status of each component controlled by the operator. The map key is the name of the component.
<code>message</code>	<code>string</code>	Optional message providing additional information about the existing overall status.
<code>nonReadyClusterCount</code>	<code>integer</code>	
<code>nonReadyClusters</code>	<code>array</code>	
<code>status</code>	<code>string</code>	<p>Overall status of all clusters controlled by the operator.</p> <ul style="list-style-type: none"> <li>If all clusters have status <code>NONE</code>, overall status is <code>NONE</code>. * If all clusters are <code>HEALTHY</code>, overall status is <code>HEALTHY</code>. * If one or more clusters are <code>RECONCILING</code> and others are <code>HEALTHY</code>, overall status is <code>RECONCILING</code>. * If one or more clusters are <code>UPDATING</code> and others are <code>HEALTHY</code>, overall status is <code>UPDATING</code>. * If clusters are a mix of <code>RECONCILING</code>, <code>UPDATING</code> and <code>HEALTHY</code>, overall status is <code>UPDATING</code>. * If any component is in <code>ERROR</code> state, overall status is <code>ERROR</code>. * If further action is needed for reconciliation to proceed, overall status is <code>ACTION_REQUIRED</code>.</li> </ul>

## .status.meshStatus

### Description

Individual status of each component controlled by the operator. The map key is the name of the component.

### Type

`object`

## .status.nonReadyClusters

### Type

`array`

## .status.nonReadyClusters[]

### Type

`string`

## API Endpoints

The following API endpoints are available:

- `/apis/asm.alauda.io/v1alpha1/namespaces/{namespace}/servicemeshgroups`
  - `DELETE`: delete collection of ServiceMeshGroup

- `GET` : list objects of kind ServiceMeshGroup
- `POST` : create a new ServiceMeshGroup
- `/apis/asm.alauda.io/v1alpha1/namespaces/{namespace}/servicemeshgroups/{name}`
  - `DELETE` : delete the specified ServiceMeshGroup
  - `GET` : read the specified ServiceMeshGroup
  - `PATCH` : partially update the specified ServiceMeshGroup
  - `PUT` : replace the specified ServiceMeshGroup
- `/apis/asm.alauda.io/v1alpha1/namespaces/{namespace}/servicemeshgroups/{name}/status`
  - `GET` : read status of the specified ServiceMeshGroup
  - `PATCH` : partially update status of the specified ServiceMeshGroup
  - `PUT` : replace status of the specified ServiceMeshGroup

## `/apis/asm.alauda.io/v1alpha1/namespaces/{namespace}/servicemeshgroups`

### HTTP method

`DELETE`

### Description

delete collection of ServiceMeshGroup

### HTTP responses

HTTP code	Response body
200 - OK	<code>Status</code> schema
401 - Unauthorized	Empty

### HTTP method

`GET`

### Description

list objects of kind ServiceMeshGroup

### HTTP responses

HTTP code	Response body
200 - OK	<code>ServiceMeshGroupList</code> schema
401 - Unauthorized	Empty

### HTTP method

`POST`

### Description

create a new ServiceMeshGroup

### Query parameters

Parameter	Type	Description
<code>dryRun</code>	<code>string</code>	When present, indicates that modifications should not be persisted. An invalid or unrecognized dryRun directive will result in an error response and no further processing of the request. Valid values are: - All: all dry run stages will be processed

Parameter	Type	Description
<code>fieldValidation</code>	<code>string</code>	fieldValidation instructs the server on how to handle objects in the request (POST/PUT/PATCH) containing unknown or duplicate fields. Valid values are: - Ignore: This will ignore any unknown fields that are silently dropped from the object, and will ignore all but the last duplicate field that the decoder encounters. This is the default behavior prior to v1.23. - Warn: This will send a warning via the standard warning response header for each unknown field that is dropped from the object, and for each duplicate field that is encountered. The request will still succeed if there are no other errors, and will only persist the last of any duplicate fields. This is the default in v1.23+ - Strict: This will fail the request with a BadRequest error if any unknown fields would be dropped from the object, or if any duplicate fields are present. The error returned from the server will contain all unknown and duplicate fields encountered.

**Body parameters**

Parameter	Type	Description
<code>body</code>	<code>ServiceMeshGroup</code> schema	<code>application/json</code> formatted

**HTTP responses**

HTTP code	Response body
200 - OK	<code>ServiceMeshGroup</code> schema
201 - Created	<code>ServiceMeshGroup</code> schema
202 - Accepted	<code>ServiceMeshGroup</code> schema
401 - Unauthorized	Empty

**/apis/asm.alauda.io/v1alpha1/namespaces/{namespace}/servicemeshgroups/{name}****HTTP method**`DELETE`**Description**

delete the specified ServiceMeshGroup

**Query parameters**

Parameter	Type	Description
<code>dryRun</code>	<code>string</code>	When present, indicates that modifications should not be persisted. An invalid or unrecognized dryRun directive will result in an error response and no further processing of the request. Valid values are: - All: all dry run stages will be processed

**HTTP responses**

HTTP code	Response body
200 - OK	<code>Status</code> schema
202 - Accepted	<code>Status</code> schema
401 - Unauthorized	Empty

**HTTP method**`GET`**Description**

read the specified ServiceMeshGroup

#### HTTP responses

HTTP code	Response body
200 - OK	<code>ServiceMeshGroup</code> schema
401 - Unauthorized	Empty

#### HTTP method

PATCH

#### Description

partially update the specified ServiceMeshGroup

#### Query parameters

Parameter	Type	Description
<code>dryRun</code>	<code>string</code>	When present, indicates that modifications should not be persisted. An invalid or unrecognized <code>dryRun</code> directive will result in an error response and no further processing of the request. Valid values are: - All: all dry run stages will be processed
<code>fieldValidation</code>	<code>string</code>	<code>fieldValidation</code> instructs the server on how to handle objects in the request (POST/PUT/PATCH) containing unknown or duplicate fields. Valid values are: - Ignore: This will ignore any unknown fields that are silently dropped from the object, and will ignore all but the last duplicate field that the decoder encounters. This is the default behavior prior to v1.23. - Warn: This will send a warning via the standard warning response header for each unknown field that is dropped from the object, and for each duplicate field that is encountered. The request will still succeed if there are no other errors, and will only persist the last of any duplicate fields. This is the default in v1.23+ - Strict: This will fail the request with a <code>BadRequest</code> error if any unknown fields would be dropped from the object, or if any duplicate fields are present. The error returned from the server will contain all unknown and duplicate fields encountered.

#### HTTP responses

HTTP code	Response body
200 - OK	<code>ServiceMeshGroup</code> schema
401 - Unauthorized	Empty

#### HTTP method

PUT

#### Description

replace the specified ServiceMeshGroup

#### Query parameters

Parameter	Type	Description
<code>dryRun</code>	<code>string</code>	When present, indicates that modifications should not be persisted. An invalid or unrecognized <code>dryRun</code> directive will result in an error response and no further processing of the request. Valid values are: - All: all dry run stages will be processed
<code>fieldValidation</code>	<code>string</code>	<code>fieldValidation</code> instructs the server on how to handle objects in the request (POST/PUT/PATCH) containing unknown or duplicate fields. Valid values are: - Ignore: This will ignore any unknown fields that are silently dropped from the object, and will ignore all but the last duplicate field that the decoder encounters. This is the default behavior prior to v1.23. - Warn: This will send a warning via the standard warning response header for each unknown field that is dropped from the object, and for each duplicate field that is encountered. The request will still succeed if there are no other errors, and will only persist the last of any duplicate fields. This is the

Parameter	Type	Description
		default in v1.23+ - Strict: This will fail the request with a BadRequest error if any unknown fields would be dropped from the object, or if any duplicate fields are present. The error returned from the server will contain all unknown and duplicate fields encountered.

#### Body parameters

Parameter	Type	Description
body	ServiceMeshGroup schema	application/json formatted

#### HTTP responses

HTTP code	Response body
200 - OK	ServiceMeshGroup schema
201 - Created	ServiceMeshGroup schema
401 - Unauthorized	Empty

## /apis/asm.alauda.io/v1alpha1/namespaces/{namespace}/servicemeshgroups/{name}/status

#### HTTP method

GET

#### Description

read status of the specified ServiceMeshGroup

#### HTTP responses

HTTP code	Response body
200 - OK	ServiceMeshGroup schema
401 - Unauthorized	Empty

#### HTTP method

PATCH

#### Description

partially update status of the specified ServiceMeshGroup

#### Query parameters

Parameter	Type	Description
dryRun	string	When present, indicates that modifications should not be persisted. An invalid or unrecognized dryRun directive will result in an error response and no further processing of the request. Valid values are: - All: all dry run stages will be processed
fieldValidation	string	fieldValidation instructs the server on how to handle objects in the request (POST/PUT/PATCH) containing unknown or duplicate fields. Valid values are: - Ignore: This will ignore any unknown fields that are silently dropped from the object, and will ignore all but the last duplicate field that the decoder encounters. This is the default behavior prior to v1.23. - Warn: This will send a warning via the standard warning response header for each unknown field that is dropped from the object, and for each duplicate field that is encountered. The request will still succeed if there are no other errors, and will only persist the last of any duplicate fields. This is the default in v1.23+ - Strict: This will fail the request with a BadRequest error if any unknown fields would be

Parameter	Type	Description
		dropped from the object, or if any duplicate fields are present. The error returned from the server will contain all unknown and duplicate fields encountered.

### HTTP responses

HTTP code	Response body
200 - OK	<code>ServiceMeshGroup</code> schema
401 - Unauthorized	Empty

### HTTP method

PUT

### Description

replace status of the specified ServiceMeshGroup

### Query parameters

Parameter	Type	Description
<code>dryRun</code>	<code>string</code>	When present, indicates that modifications should not be persisted. An invalid or unrecognized <code>dryRun</code> directive will result in an error response and no further processing of the request. Valid values are: - All: all dry run stages will be processed
<code>fieldValidation</code>	<code>string</code>	<code>fieldValidation</code> instructs the server on how to handle objects in the request (POST/PUT/PATCH) containing unknown or duplicate fields. Valid values are: - Ignore: This will ignore any unknown fields that are silently dropped from the object, and will ignore all but the last duplicate field that the decoder encounters. This is the default behavior prior to v1.23. - Warn: This will send a warning via the standard warning response header for each unknown field that is dropped from the object, and for each duplicate field that is encountered. The request will still succeed if there are no other errors, and will only persist the last of any duplicate fields. This is the default in v1.23+ - Strict: This will fail the request with a <code>BadRequest</code> error if any unknown fields would be dropped from the object, or if any duplicate fields are present. The error returned from the server will contain all unknown and duplicate fields encountered.

### Body parameters

Parameter	Type	Description
<code>body</code>	<code>ServiceMeshGroup</code> schema	<code>application/json</code> formatted

### HTTP responses

HTTP code	Response body
200 - OK	<code>ServiceMeshGroup</code> schema
201 - Created	<code>ServiceMeshGroup</code> schema
401 - Unauthorized	Empty

## Description

ServiceMesh is the Schema for the servicemeshes API

## Type

object

# Specification

## API Endpoints

The following API endpoints are available:

- `/apis/asm.alauda.io/v1alpha1/namespaces/{namespace}/servicemeshes`
  - `DELETE` : delete collection of ServiceMesh
  - `GET` : list objects of kind ServiceMesh
  - `POST` : create a new ServiceMesh
- `/apis/asm.alauda.io/v1alpha1/namespaces/{namespace}/servicemeshes/{name}`
  - `DELETE` : delete the specified ServiceMesh
  - `GET` : read the specified ServiceMesh
  - `PATCH` : partially update the specified ServiceMesh
  - `PUT` : replace the specified ServiceMesh

# /apis/asm.alauda.io/v1alpha1/namespaces/{namespace}/service meshes

## HTTP method

DELETE

## Description

delete collection of ServiceMesh

## HTTP responses

HTTP code	Response body
200 - OK	<a href="#">Status</a> schema
401 - Unauthorized	Empty

## HTTP method

GET

## Description

list objects of kind ServiceMesh

## HTTP responses

HTTP code	Response body
200 - OK	<a href="#">ServiceMeshList</a> schema
401 - Unauthorized	Empty

## HTTP method

POST

## Description

create a new ServiceMesh

## Query parameters

Parameter	Type	Description
<code>dryRun</code>	<code>string</code>	When present, indicates that modifications should not be persisted. An invalid or unrecognized <code>dryRun</code> directive will result in an error response and no further processing of the request. Valid values are: - All: all dry run stages will be processed
<code>fieldValidation</code>	<code>string</code>	<code>fieldValidation</code> instructs the server on how to handle objects in the request (POST/PUT/PATCH) containing unknown or duplicate fields. Valid values are: - Ignore: This will ignore any unknown fields that are silently dropped from the object, and will ignore all but the last duplicate field that the decoder encounters. This is the default behavior prior to v1.23. - Warn: This will send a warning via the standard warning response header for each unknown field that is dropped from the object, and for each duplicate field that is encountered. The request will still succeed if there are no other errors, and will only persist the last of any duplicate fields. This is the default in v1.23+ - Strict: This will fail the request with a <code>BadRequest</code> error if any unknown fields would be dropped from the object, or if any duplicate fields are present. The error returned from the server will contain all unknown and duplicate fields encountered.

## Body parameters

Parameter	Type	Description
<code>body</code>	<code>ServiceMesh</code> schema	<code>application/json</code> formatted

## HTTP responses

HTTP code	Response body
200 - OK	<code>ServiceMesh</code> schema
201 - Created	<code>ServiceMesh</code> schema

HTTP code	Response body
202 - Accepted	<code>ServiceMesh</code> schema
401 - Unauthorized	Empty

## /apis/asm.alauda.io/v1alpha1/namespaces/{namespace}/servicemeshes/{name}

### HTTP method

DELETE

### Description

delete the specified ServiceMesh

### Query parameters

Parameter	Type	Description
<code>dryRun</code>	<code>string</code>	When present, indicates that modifications should not be persisted. An invalid or unrecognized dryRun directive will result in an error response and no further processing of the request. Valid values are: - All: all dry run stages will be processed

### HTTP responses

HTTP code	Response body
200 - OK	<code>Status</code> schema
202 - Accepted	<code>Status</code> schema
401 - Unauthorized	Empty

### HTTP method

GET

### Description

read the specified ServiceMesh

## HTTP responses

HTTP code	Response body
200 - OK	<code>ServiceMesh</code> schema
401 - Unauthorized	Empty

## HTTP method

PATCH

## Description

partially update the specified ServiceMesh

## Query parameters

Parameter	Type	Description
<code>dryRun</code>	<code>string</code>	When present, indicates that modifications should not be persisted. An invalid or unrecognized dryRun directive will result in an error response and no further processing of the request. Valid values are: - All: all dry run stages will be processed
<code>fieldValidation</code>	<code>string</code>	fieldValidation instructs the server on how to handle objects in the request (POST/PUT/PATCH) containing unknown or duplicate fields. Valid values are: - Ignore: This will ignore any unknown fields that are silently dropped from the object, and will ignore all but the last duplicate field that the decoder encounters. This is the default behavior prior to v1.23. - Warn: This will send a warning via the standard warning response header for each unknown field that is dropped from the object, and for each duplicate field that is encountered. The request will still succeed if there are no other errors, and will only persist the last of any duplicate fields. This is the default in v1.23+ - Strict: This will fail the request with a BadRequest error if any unknown fields would be dropped from the object, or if any duplicate fields are present. The error returned from the server

Parameter	Type	Description
		will contain all unknown and duplicate fields encountered.

## HTTP responses

HTTP code	Response body
200 - OK	<code>ServiceMesh</code> schema
401 - Unauthorized	Empty

## HTTP method

PUT

## Description

replace the specified ServiceMesh

## Query parameters

Parameter	Type	Description
<code>dryRun</code>	<code>string</code>	When present, indicates that modifications should not be persisted. An invalid or unrecognized <code>dryRun</code> directive will result in an error response and no further processing of the request. Valid values are: - All: all dry run stages will be processed
<code>fieldValidation</code>	<code>string</code>	<code>fieldValidation</code> instructs the server on how to handle objects in the request (POST/PUT/PATCH) containing unknown or duplicate fields. Valid values are: - Ignore: This will ignore any unknown fields that are silently dropped from the object, and will ignore all but the last duplicate field that the decoder encounters. This is the default behavior prior to v1.23. - Warn: This will send a warning via the standard warning response header for each unknown field that is dropped from the object, and for each duplicate field that is encountered. The request will still succeed if there are no other errors, and will only persist the last of any duplicate fields. This is the default in v1.23+ - Strict: This will fail the

Parameter	Type	Description
		request with a BadRequest error if any unknown fields would be dropped from the object, or if any duplicate fields are present. The error returned from the server will contain all unknown and duplicate fields encountered.

## Body parameters

Parameter	Type	Description
body	ServiceMesh schema	application/json formatted

## HTTP responses

HTTP code	Response body
200 - OK	ServiceMesh schema
201 - Created	ServiceMesh schema
401 - Unauthorized	Empty

## Description

SidecarBypass is the Schema for the sidecarbypasses API

## Type

object

## Specification

Property	Type	Description
<code>apiVersion</code>	<code>string</code>	APIVersion defines the versioned schema of this representation of an object. Servers should convert recognized schemas to the latest internal value, and may reject unrecognized values. More info: <a href="https://git.k8s.io/community/contributors/devel/sig-architecture/api-conventions.md#resources">https://git.k8s.io/community/contributors/devel/sig-architecture/api-conventions.md#resources</a>
<code>kind</code>	<code>string</code>	Kind is a string value representing the REST resource this object represents. Servers may infer this from the endpoint the client submits requests to. Cannot be updated. In CamelCase. More info: <a href="https://git.k8s.io/community/contributors/devel/sig-architecture/api-conventions.md#types-kinds">https://git.k8s.io/community/contributors/devel/sig-architecture/api-conventions.md#types-kinds</a>

Property	Type	Description
<code>metadata</code>	<code>ObjectMeta</code> ↗	ObjectMeta is metadata that all persisted resources must have, which includes all objects users must create.
<code>spec</code>	<code>object</code>	SidecarBypassSpec defines the desired state of SidecarBypass
<code>status</code>	<code>object</code>	SidecarBypassStatus defines the observed state of SidecarBypass

## .spec

### Description

SidecarBypassSpec defines the desired state of SidecarBypass

### Type

`object`

## .status

### Description

SidecarBypassStatus defines the observed state of SidecarBypass

### Type

`object`

Property	Type	Description
<code>conditions</code>	<code>array</code>	Current state of SidecarBypass

Property	Type	Description
message	string	A human-readable message indicating details about why the SidecarBypass is in this condition.
phase	string	The phase of a SidecarBypass is a simple, high-level summary of where the SidecarBypass is in its lifecycle.
reason	string	A brief CamelCase message indicating details about why the SidecarBypass is in this state.
state	object	Details about the SidecarBypass's current condition.

## .status.conditions

### Description

Current state of SidecarBypass

### Type

array

## .status.conditions[]

### Description

Condition contains details for one aspect of the current state of this API Resource. --- This struct is intended for direct use as an array at the field path `.status.conditions`. For example, type `FooStatus struct{ // Represents the observations of a foo's current state. // Known .status.conditions.type are: "Available", "Progressing", and "Degraded" // +patchMergeKey=type // +patchStrategy=merge // +listType=map // +listMapKey=type`

```
Conditions []metav1.Condition `json:"conditions,omitempty" patchStrategy:"merge"
patchMergeKey:"type" protobuf:"bytes,1,rep,name=conditions" // other fields }
```

## Type

object

## Required

lastTransitionTime

message

reason

status

type

Property	Type	Description
lastTransitionTime	string	lastTransitionTime is the last time the condition transitioned from one status to another. This should be when the underlying condition changed. If that is not known, then using the time when the API field changed is acceptable.
message	string	message is a human readable message indicating details about the transition. This may be an empty string.
observedGeneration	integer	observedGeneration represents the .metadata.generation that the condition was set based upon. For instance, if .metadata.generation is currently 12, but the .status.conditions[x].observedGeneration is 9, the condition is out of date with respect to the current state of the instance.
reason	string	reason contains a programmatic identifier indicating the reason for the condition's last transition. Producers of specific condition types may define expected values and meanings for this

Property	Type	Description
		field, and whether the values are considered a guaranteed API. The value should be a CamelCase string. This field may not be empty.
status	string	status of the condition, one of True, False, Unknown.
type	string	type of condition in CamelCase or in foo.example.com/CamelCase. --- Many .condition.type values are consistent across resources like Available, but because arbitrary conditions can be useful (see .node.status.conditions), the ability to deconflict is important. The regex it matches is (dns1123SubdomainFmt)?(qualifiedNameFmt)

## .status.state

### Description

Details about the SidecarBypass's current condition.

### Type

object

Property	Type	Description
bypassing	object	Details about a bypassing bypass state.

Property	Type	Description
<code>ready</code>	<code>object</code>	Details about a ready bypass state.
<code>restored</code>	<code>object</code>	Details about a restored bypass state.
<code>restoring</code>	<code>object</code>	Details about a restoring bypass state.

## **.status.state.bypassing**

### **Description**

Details about a bypassing bypass state.

### **Type**

`object`

Property	Type	Description
<code>message</code>	<code>string</code>	Message regarding why the SidecarBypass is not yet running.
<code>reason</code>	<code>string</code>	(brief) reason the SidecarBypass is not yet running.

## **.status.state.ready**

### **Description**

Details about a ready bypass state.

### **Type**

`object`

Property	Type	Description
<code>readyAt</code>	<code>string</code>	Time at which the bypass is ready.

## **.status.state.restored**

### **Description**

Details about a restored bypass state.

### **Type**

`object`

Property	Type	Description
<code>restoredAt</code>	<code>string</code>	Time at which the bypass is restored.

## **.status.state.restoring**

### **Description**

Details about a restoring bypass state.

### **Type**

`object`

Property	Type	Description
<code>message</code>	<code>string</code>	Message regarding why the SidecarBypass is not yet terminated.

Property	Type	Description
reason	string	(brief) reason the SidecarBypass is not yet terminated.

## API Endpoints

The following API endpoints are available:

- `/apis/asm.alauda.io/v1alpha1/namespaces/{namespace}/sidecarbypasses`
  - `DELETE` : delete collection of SidecarBypass
  - `GET` : list objects of kind SidecarBypass
  - `POST` : create a new SidecarBypass
- `/apis/asm.alauda.io/v1alpha1/namespaces/{namespace}/sidecarbypasses/{name}`
  - `DELETE` : delete the specified SidecarBypass
  - `GET` : read the specified SidecarBypass
  - `PATCH` : partially update the specified SidecarBypass
  - `PUT` : replace the specified SidecarBypass
- `/apis/asm.alauda.io/v1alpha1/namespaces/{namespace}/sidecarbypasses/{name}/status`
  - `GET` : read status of the specified SidecarBypass
  - `PATCH` : partially update status of the specified SidecarBypass
  - `PUT` : replace status of the specified SidecarBypass

## `/apis/asm.alauda.io/v1alpha1/namespaces/{namespace}/sidecarbypasses`

HTTP method

DELETE

## Description

delete collection of SidecarBypass

## HTTP responses

HTTP code	Response body
200 - OK	<code>Status</code> schema
401 - Unauthorized	Empty

## HTTP method

GET

## Description

list objects of kind SidecarBypass

## HTTP responses

HTTP code	Response body
200 - OK	<code>SidecarBypassList</code> schema
401 - Unauthorized	Empty

## HTTP method

POST

## Description

create a new SidecarBypass

## Query parameters

Parameter	Type	Description
<code>dryRun</code>	<code>string</code>	When present, indicates that modifications should not be persisted. An invalid or unrecognized dryRun directive will result in an error response and no further

Parameter	Type	Description
		processing of the request. Valid values are: - All: all dry run stages will be processed
<code>fieldValidation</code>	<code>string</code>	<p><code>fieldValidation</code> instructs the server on how to handle objects in the request (POST/PUT/PATCH) containing unknown or duplicate fields. Valid values are: - Ignore: This will ignore any unknown fields that are silently dropped from the object, and will ignore all but the last duplicate field that the decoder encounters. This is the default behavior prior to v1.23. - Warn: This will send a warning via the standard warning response header for each unknown field that is dropped from the object, and for each duplicate field that is encountered. The request will still succeed if there are no other errors, and will only persist the last of any duplicate fields. This is the default in v1.23+ - Strict: This will fail the request with a BadRequest error if any unknown fields would be dropped from the object, or if any duplicate fields are present. The error returned from the server will contain all unknown and duplicate fields encountered.</p>

## Body parameters

Parameter	Type	Description
<code>body</code>	<code>SidecarBypass</code> schema	<code>application/json</code> formatted

## HTTP responses

HTTP code	Response body
200 - OK	<code>SidecarBypass</code> schema
201 - Created	<code>SidecarBypass</code> schema
202 - Accepted	<code>SidecarBypass</code> schema
401 - Unauthorized	Empty

# /apis/asm.alauda.io/v1alpha1/namespaces/{namespace}/sidecarbypasses/{name}

## HTTP method

DELETE

## Description

delete the specified SidecarBypass

## Query parameters

Parameter	Type	Description
<code>dryRun</code>	<code>string</code>	When present, indicates that modifications should not be persisted. An invalid or unrecognized dryRun directive will result in an error response and no further processing of the request. Valid values are: - All: all dry run stages will be processed

## HTTP responses

HTTP code	Response body
200 - OK	<a href="#">Status ↗</a> schema
202 - Accepted	<a href="#">Status ↗</a> schema
401 - Unauthorized	Empty

## HTTP method

GET

## Description

read the specified SidecarBypass

## HTTP responses

HTTP code	Response body
200 - OK	<code>SidecarBypass</code> schema
401 - Unauthorized	Empty

## HTTP method

PATCH

## Description

partially update the specified SidecarBypass

## Query parameters

Parameter	Type	Description
<code>dryRun</code>	<code>string</code>	When present, indicates that modifications should not be persisted. An invalid or unrecognized dryRun directive will result in an error response and no further processing of the request. Valid values are: - All: all dry run stages will be processed
<code>fieldValidation</code>	<code>string</code>	fieldValidation instructs the server on how to handle objects in the request (POST/PUT/PATCH) containing unknown or duplicate fields. Valid values are: - Ignore: This will ignore any unknown fields that are silently dropped from the object, and will ignore all but the last duplicate field that the decoder encounters. This is the default behavior prior to v1.23. - Warn: This will send a warning via the standard warning response header for each unknown field that is dropped from the object, and for each duplicate field that is encountered. The request will still succeed if there are no other errors, and will only persist the last of any duplicate fields. This is the default in v1.23+ - Strict: This will fail the request with a BadRequest error if any unknown fields would be dropped from the object, or if any duplicate fields are present. The error returned from the server will contain all unknown and duplicate fields encountered.

## HTTP responses

HTTP code	Response body
200 - OK	<code>SidecarBypass</code> schema
401 - Unauthorized	Empty

## HTTP method

PUT

## Description

replace the specified SidecarBypass

## Query parameters

Parameter	Type	Description
<code>dryRun</code>	<code>string</code>	When present, indicates that modifications should not be persisted. An invalid or unrecognized dryRun directive will result in an error response and no further processing of the request. Valid values are: - All: all dry run stages will be processed

Parameter	Type	Description
<code>fieldValidation</code>	<code>string</code>	<p><code>fieldValidation</code> instructs the server on how to handle objects in the request (POST/PUT/PATCH) containing unknown or duplicate fields. Valid values are:</p> <ul style="list-style-type: none"> <li>- Ignore: This will ignore any unknown fields that are silently dropped from the object, and will ignore all but the last duplicate field that the decoder encounters. This is the default behavior prior to v1.23.</li> <li>- Warn: This will send a warning via the standard warning response header for each unknown field that is dropped from the object, and for each duplicate field that is encountered. The request will still succeed if there are no other errors, and will only persist the last of any duplicate fields. This is the default in v1.23+.</li> <li>- Strict: This will fail the request with a <code>BadRequest</code> error if any unknown fields would be dropped from the object, or if any duplicate fields are present. The error returned from the server will contain all unknown and duplicate fields encountered.</li> </ul>

### Body parameters

Parameter	Type	Description
<code>body</code>	<code>SidecarBypass</code> schema	<code>application/json</code> formatted

### HTTP responses

HTTP code	Response body
200 - OK	<code>SidecarBypass</code> schema
201 - Created	<code>SidecarBypass</code> schema
401 - Unauthorized	Empty

**`/apis/asm.alauda.io/v1alpha1/namespaces/{namespace}/sidecarbypasses/{name}/status`**

## HTTP method

GET

## Description

read status of the specified SidecarBypass

## HTTP responses

HTTP code	Response body
200 - OK	<code>SidecarBypass</code> schema
401 - Unauthorized	Empty

## HTTP method

PATCH

## Description

partially update status of the specified SidecarBypass

## Query parameters

Parameter	Type	Description
<code>dryRun</code>	<code>string</code>	When present, indicates that modifications should not be persisted. An invalid or unrecognized <code>dryRun</code> directive will result in an error response and no further processing of the request. Valid values are: - All: all dry run stages will be processed
<code>fieldValidation</code>	<code>string</code>	<code>fieldValidation</code> instructs the server on how to handle objects in the request (POST/PUT/PATCH) containing unknown or duplicate fields. Valid values are: - Ignore: This will ignore any unknown fields that are silently dropped from the object, and will ignore all but the last duplicate field that the decoder encounters. This is the default behavior prior to v1.23. - Warn: This will send a warning via the standard warning response header for each unknown field that is dropped from the object, and for each duplicate field that is encountered. The request will still succeed if there are no other errors, and will only persist the last of any duplicate fields.

Parameter	Type	Description
		This is the default in v1.23+ - Strict: This will fail the request with a BadRequest error if any unknown fields would be dropped from the object, or if any duplicate fields are present. The error returned from the server will contain all unknown and duplicate fields encountered.

## HTTP responses

HTTP code	Response body
200 - OK	<code>SidecarBypass</code> schema
401 - Unauthorized	Empty

## HTTP method

PUT

## Description

replace status of the specified SidecarBypass

## Query parameters

Parameter	Type	Description
<code>dryRun</code>	<code>string</code>	When present, indicates that modifications should not be persisted. An invalid or unrecognized dryRun directive will result in an error response and no further processing of the request. Valid values are: - All: all dry run stages will be processed
<code>fieldValidation</code>	<code>string</code>	fieldValidation instructs the server on how to handle objects in the request (POST/PUT/PATCH) containing unknown or duplicate fields. Valid values are: - Ignore: This will ignore any unknown fields that are silently dropped from the object, and will ignore all but the last duplicate field that the decoder encounters. This is the default behavior prior to v1.23. - Warn: This will send a warning via the standard warning response header for each unknown field that is dropped from the object,

Parameter	Type	Description
		and for each duplicate field that is encountered. The request will still succeed if there are no other errors, and will only persist the last of any duplicate fields. This is the default in v1.23+ - Strict: This will fail the request with a BadRequest error if any unknown fields would be dropped from the object, or if any duplicate fields are present. The error returned from the server will contain all unknown and duplicate fields encountered.

## Body parameters

Parameter	Type	Description
body	SidecarBypass schema	application/json formatted

## HTTP responses

HTTP code	Response body
200 - OK	SidecarBypass schema
201 - Created	SidecarBypass schema
401 - Unauthorized	Empty

## Description

SidecarHotUpgradePlan is the Schema for the sidecarhotupgradeplans API

## Type

object

## Specification

Property	Type	Description
<code>apiVersion</code>	<code>string</code>	APIVersion defines the versioned schema of this representation of an object. Servers should convert recognized schemas to the latest internal value, and may reject unrecognized values. More info: <a href="https://git.k8s.io/community/contributors/devel/sig-architecture/api-conventions.md#resources">https://git.k8s.io/community/contributors/devel/sig-architecture/api-conventions.md#resources</a>
<code>kind</code>	<code>string</code>	Kind is a string value representing the REST resource this object represents. Servers may infer this from the endpoint the client submits requests to. Cannot be updated. In CamelCase. More info: <a href="https://git.k8s.io/community/contributors/devel/sig-architecture/api-conventions.md#types-kinds">https://git.k8s.io/community/contributors/devel/sig-architecture/api-conventions.md#types-kinds</a>

Property	Type	Description
<code>metadata</code>	<code>ObjectMeta</code> ↗	ObjectMeta is metadata that all persisted resources must have, which includes all objects users must create.
<code>spec</code>	<code>object</code>	
<code>status</code>	<code>object</code>	SidecarHotUpgradePlanStatus

## .spec

### Type

`object`

### Required

`targetSidecarVersion`

Property	Type	Description
<code>gracePeriod</code>	<code>string</code>	Tolerance time. Default 60s.
<code>targetSidecarVersion</code>	<code>string</code>	The target version of the hot update.

## .status

### Description

SidecarHotUpgradePlanStatus

### Type

`object`

Property	Type	Description
<code>observedRef</code>	<code>object</code>	
<code>progress</code>	<code>object</code>	HotUpgradeProgress
<code>reason</code>	<code>string</code>	
<code>state</code>	<code>string</code>	

## **.status.observedRef**

### Type

`object`

Property	Type	Description
<code>generation</code>	<code>integer</code>	
<code>uid</code>	<code>string</code>	UID is a type that holds unique ID values, including UUIDs. Because we don't ONLY use UUIDs, this is an alias to string. Being a type captures intent and helps make sure that UUIDs and names do not get conflated.

## **.status.progress**

### Description

HotUpgradeProgress

### Type

`object`

Property	Type	Description
failed	integer	
Pods	array	
success	integer	
total	integer	

## .status.progress.pods

### Type

array

## .status.progress.pods[]

### Type

object

### Required

name

target

Property	Type	Description
message	string	
name	string	
planUID	string	UID is a type that holds unique ID values, including UUIDs. Because we don't ONLY use UUIDs, this is an alias to string. Being a type captures intent and helps make sure that UUIDs and names do not get conflated.
state	string	

Property	Type	Description
target	string	

## API Endpoints

The following API endpoints are available:

- `/apis/asm.alauda.io/v1alpha1/namespaces/{namespace}/sidecarhotupgradeplans`
  - **DELETE** : delete collection of SidecarHotUpgradePlan
  - **GET** : list objects of kind SidecarHotUpgradePlan
  - **POST** : create a new SidecarHotUpgradePlan
- `/apis/asm.alauda.io/v1alpha1/namespaces/{namespace}/sidecarhotupgradeplans/{name}`
  - **DELETE** : delete the specified SidecarHotUpgradePlan
  - **GET** : read the specified SidecarHotUpgradePlan
  - **PATCH** : partially update the specified SidecarHotUpgradePlan
  - **PUT** : replace the specified SidecarHotUpgradePlan
- `/apis/asm.alauda.io/v1alpha1/namespaces/{namespace}/sidecarhotupgradeplans/{name}/status`
  - **GET** : read status of the specified SidecarHotUpgradePlan
  - **PATCH** : partially update status of the specified SidecarHotUpgradePlan
  - **PUT** : replace status of the specified SidecarHotUpgradePlan

## `/apis/asm.alauda.io/v1alpha1/namespaces/{namespace}/sidecarhotupgradeplans`

HTTP method

**DELETE**

## Description

delete collection of SidecarHotUpgradePlan

## HTTP responses

HTTP code	Response body
200 - OK	<code>Status</code> schema
401 - Unauthorized	Empty

## HTTP method

GET

## Description

list objects of kind SidecarHotUpgradePlan

## HTTP responses

HTTP code	Response body
200 - OK	<code>SidecarHotUpgradePlanList</code> schema
401 - Unauthorized	Empty

## HTTP method

POST

## Description

create a new SidecarHotUpgradePlan

## Query parameters

Parameter	Type	Description
<code>dryRun</code>	<code>string</code>	When present, indicates that modifications should not be persisted. An invalid or unrecognized dryRun directive will result in an error response and no further processing of the request. Valid values are: - All: all dry run stages will be processed

Parameter	Type	Description
<code>fieldValidation</code>	<code>string</code>	<p><code>fieldValidation</code> instructs the server on how to handle objects in the request (POST/PUT/PATCH) containing unknown or duplicate fields. Valid values are:</p> <ul style="list-style-type: none"> <li>- Ignore: This will ignore any unknown fields that are silently dropped from the object, and will ignore all but the last duplicate field that the decoder encounters. This is the default behavior prior to v1.23.</li> <li>- Warn: This will send a warning via the standard warning response header for each unknown field that is dropped from the object, and for each duplicate field that is encountered. The request will still succeed if there are no other errors, and will only persist the last of any duplicate fields. This is the default in v1.23+.</li> <li>- Strict: This will fail the request with a <code>BadRequest</code> error if any unknown fields would be dropped from the object, or if any duplicate fields are present. The error returned from the server will contain all unknown and duplicate fields encountered.</li> </ul>

## Body parameters

Parameter	Type	Description
<code>body</code>	<code>SidecarHotUpgradePlan</code> schema	<code>application/json</code> formatted

## HTTP responses

HTTP code	Response body
200 - OK	<code>SidecarHotUpgradePlan</code> schema
201 - Created	<code>SidecarHotUpgradePlan</code> schema
202 - Accepted	<code>SidecarHotUpgradePlan</code> schema
401 - Unauthorized	Empty

# /apis/asm.alauda.io/v1alpha1/namespaces/{namespace}/sidecarhotupgradeplans/{name}

## HTTP method

DELETE

## Description

delete the specified SidecarHotUpgradePlan

## Query parameters

Parameter	Type	Description
<code>dryRun</code>	<code>string</code>	When present, indicates that modifications should not be persisted. An invalid or unrecognized dryRun directive will result in an error response and no further processing of the request. Valid values are: - All: all dry run stages will be processed

## HTTP responses

HTTP code	Response body
200 - OK	<a href="#">Status ↗</a> schema
202 - Accepted	<a href="#">Status ↗</a> schema
401 - Unauthorized	Empty

## HTTP method

GET

## Description

read the specified SidecarHotUpgradePlan

## HTTP responses

HTTP code	Response body
200 - OK	<code>SidecarHotUpgradePlan</code> schema
401 - Unauthorized	Empty

## HTTP method

PATCH

## Description

partially update the specified SidecarHotUpgradePlan

## Query parameters

Parameter	Type	Description
<code>dryRun</code>	<code>string</code>	When present, indicates that modifications should not be persisted. An invalid or unrecognized dryRun directive will result in an error response and no further processing of the request. Valid values are: - All: all dry run stages will be processed
<code>fieldValidation</code>	<code>string</code>	fieldValidation instructs the server on how to handle objects in the request (POST/PUT/PATCH) containing unknown or duplicate fields. Valid values are: - Ignore: This will ignore any unknown fields that are silently dropped from the object, and will ignore all but the last duplicate field that the decoder encounters. This is the default behavior prior to v1.23. - Warn: This will send a warning via the standard warning response header for each unknown field that is dropped from the object, and for each duplicate field that is encountered. The request will still succeed if there are no other errors, and will only persist the last of any duplicate fields. This is the default in v1.23+ - Strict: This will fail the request with a BadRequest error if any unknown fields would be dropped from the object, or if any duplicate fields are present. The error returned from the server will contain all unknown and duplicate fields encountered.

## HTTP responses

HTTP code	Response body
200 - OK	<code>SidecarHotUpgradePlan</code> schema
401 - Unauthorized	Empty

## HTTP method

PUT

## Description

replace the specified SidecarHotUpgradePlan

## Query parameters

Parameter	Type	Description
<code>dryRun</code>	<code>string</code>	When present, indicates that modifications should not be persisted. An invalid or unrecognized dryRun directive will result in an error response and no further processing of the request. Valid values are: - All: all dry run stages will be processed

Parameter	Type	Description
<code>fieldValidation</code>	<code>string</code>	<p><code>fieldValidation</code> instructs the server on how to handle objects in the request (POST/PUT/PATCH) containing unknown or duplicate fields. Valid values are:</p> <ul style="list-style-type: none"> <li>- Ignore: This will ignore any unknown fields that are silently dropped from the object, and will ignore all but the last duplicate field that the decoder encounters. This is the default behavior prior to v1.23.</li> <li>- Warn: This will send a warning via the standard warning response header for each unknown field that is dropped from the object, and for each duplicate field that is encountered. The request will still succeed if there are no other errors, and will only persist the last of any duplicate fields. This is the default in v1.23+.</li> <li>- Strict: This will fail the request with a <code>BadRequest</code> error if any unknown fields would be dropped from the object, or if any duplicate fields are present. The error returned from the server will contain all unknown and duplicate fields encountered.</li> </ul>

### Body parameters

Parameter	Type	Description
<code>body</code>	<code>SidecarHotUpgradePlan</code> schema	<code>application/json</code> formatted

### HTTP responses

HTTP code	Response body
200 - OK	<code>SidecarHotUpgradePlan</code> schema
201 - Created	<code>SidecarHotUpgradePlan</code> schema
401 - Unauthorized	Empty

**`/apis/asm.alauda.io/v1alpha1/namespaces/{namespace}/sidecarhotupgradeplans/{name}/status`**

## HTTP method

GET

## Description

read status of the specified SidecarHotUpgradePlan

## HTTP responses

HTTP code	Response body
200 - OK	<code>SidecarHotUpgradePlan</code> schema
401 - Unauthorized	Empty

## HTTP method

PATCH

## Description

partially update status of the specified SidecarHotUpgradePlan

## Query parameters

Parameter	Type	Description
<code>dryRun</code>	<code>string</code>	When present, indicates that modifications should not be persisted. An invalid or unrecognized <code>dryRun</code> directive will result in an error response and no further processing of the request. Valid values are: - All: all dry run stages will be processed
<code>fieldValidation</code>	<code>string</code>	<code>fieldValidation</code> instructs the server on how to handle objects in the request (POST/PUT/PATCH) containing unknown or duplicate fields. Valid values are: - Ignore: This will ignore any unknown fields that are silently dropped from the object, and will ignore all but the last duplicate field that the decoder encounters. This is the default behavior prior to v1.23. - Warn: This will send a warning via the standard warning response header for each unknown field that is dropped from the object, and for each duplicate field that is encountered. The request will still succeed if there are no other errors, and will only persist the last of any duplicate fields.

Parameter	Type	Description
		This is the default in v1.23+ - Strict: This will fail the request with a BadRequest error if any unknown fields would be dropped from the object, or if any duplicate fields are present. The error returned from the server will contain all unknown and duplicate fields encountered.

## HTTP responses

HTTP code	Response body
200 - OK	<code>SidecarHotUpgradePlan</code> schema
401 - Unauthorized	Empty

## HTTP method

PUT

## Description

replace status of the specified SidecarHotUpgradePlan

## Query parameters

Parameter	Type	Description
<code>dryRun</code>	<code>string</code>	When present, indicates that modifications should not be persisted. An invalid or unrecognized dryRun directive will result in an error response and no further processing of the request. Valid values are: - All: all dry run stages will be processed
<code>fieldValidation</code>	<code>string</code>	fieldValidation instructs the server on how to handle objects in the request (POST/PUT/PATCH) containing unknown or duplicate fields. Valid values are: - Ignore: This will ignore any unknown fields that are silently dropped from the object, and will ignore all but the last duplicate field that the decoder encounters. This is the default behavior prior to v1.23. - Warn: This will send a warning via the standard warning response header for each unknown field that is dropped from the object,

Parameter	Type	Description
		and for each duplicate field that is encountered. The request will still succeed if there are no other errors, and will only persist the last of any duplicate fields. This is the default in v1.23+ - Strict: This will fail the request with a BadRequest error if any unknown fields would be dropped from the object, or if any duplicate fields are present. The error returned from the server will contain all unknown and duplicate fields encountered.

## Body parameters

Parameter	Type	Description
body	SidecarHotUpgradePlan schema	application/json formatted

## HTTP responses

HTTP code	Response body
200 - OK	SidecarHotUpgradePlan schema
201 - Created	SidecarHotUpgradePlan schema
401 - Unauthorized	Empty

## Description

WasmModuleInstall is the Schema for the wasmmoduleinstalls API

## Type

object

## Specification

Property	Type	Description
<code>apiVersion</code>	<code>string</code>	APIVersion defines the versioned schema of this representation of an object. Servers should convert recognized schemas to the latest internal value, and may reject unrecognized values. More info: <a href="https://git.k8s.io/community/contributors/devel/sig-architecture/api-conventions.md#resources">https://git.k8s.io/community/contributors/devel/sig-architecture/api-conventions.md#resources</a>
<code>kind</code>	<code>string</code>	Kind is a string value representing the REST resource this object represents. Servers may infer this from the endpoint the client submits requests to. Cannot be updated. In CamelCase. More info: <a href="https://git.k8s.io/community/contributors/devel/sig-architecture/api-conventions.md#types-kinds">https://git.k8s.io/community/contributors/devel/sig-architecture/api-conventions.md#types-kinds</a>

Property	Type	Description
<code>metadata</code>	<code>ObjectMeta</code> ↗	ObjectMeta is metadata that all persisted resources must have, which includes all objects users must create.
<code>spec</code>	<code>object</code>	WasmModuleInstallSpec defines the desired state of WasmModuleInstall
<code>status</code>	<code>object</code>	WasmModuleInstallStatus defines the observed state of WasmModuleInstall

## .spec

### Description

WasmModuleInstallSpec defines the desired state of WasmModuleInstall

### Type

`object`

### Required

`image`

`targetMesh`

`template`

Property	Type	Description
<code>image</code>	<code>object</code>	
<code>imagePullOptions</code>	<code>object</code>	
<code>moduleConfiguration</code>	<code>object</code>	
<code>targetMesh</code>	<code>string</code>	
<code>template</code>	<code>object</code>	

## .spec.image

### Type

object

### Required

repo

tag

Property	Type	Description
repo	string	
tag	string	

## .spec.imagePullOptions

### Type

object

Property	Type	Description
credentialsId	string	

## .spec.moduleConfiguration

### Type

object

### Required

type

Property	Type	Description
jsonData	object	
stringData	string	

Property	Type	Description
<code>type</code>	<code>string</code>	

## `.spec.moduleConfiguration.jsonData`

### Type

`object`

## `.spec.template`

### Type

`object`

### Required

`templateRef`

Property	Type	Description
<code>templateRef</code>	<code>string</code>	
<code>userValues</code>	<code>string</code>	

## `.status`

### Description

`WasmModuleInstallStatus` defines the observed state of `WasmModuleInstall`

### Type

`object`

## API Endpoints

The following API endpoints are available:

- `/apis/asm.alauda.io/v1beta1/namespaces/{namespace}/wasmmoduleinstalls`
  - **DELETE** : delete collection of WasmModuleInstall
  - **GET** : list objects of kind WasmModuleInstall
  - **POST** : create a new WasmModuleInstall
- `/apis/asm.alauda.io/v1beta1/namespaces/{namespace}/wasmmoduleinstalls/{name}`
  - **DELETE** : delete the specified WasmModuleInstall
  - **GET** : read the specified WasmModuleInstall
  - **PATCH** : partially update the specified WasmModuleInstall
  - **PUT** : replace the specified WasmModuleInstall
- `/apis/asm.alauda.io/v1beta1/namespaces/{namespace}/wasmmoduleinstalls/{name}/status`
  - **GET** : read status of the specified WasmModuleInstall
  - **PATCH** : partially update status of the specified WasmModuleInstall
  - **PUT** : replace status of the specified WasmModuleInstall

## `/apis/asm.alauda.io/v1beta1/namespaces/{namespace}/wasmmoduleinstalls`

### HTTP method

**DELETE**

### Description

delete collection of WasmModuleInstall

### HTTP responses

HTTP code	Response body
200 - OK	<a href="#">Status</a> schema
401 - Unauthorized	Empty

## HTTP method

GET

## Description

list objects of kind WasmModuleInstall

## HTTP responses

HTTP code	Response body
200 - OK	<code>WasmModuleInstallList</code> schema
401 - Unauthorized	Empty

## HTTP method

POST

## Description

create a new WasmModuleInstall

## Query parameters

Parameter	Type	Description
<code>dryRun</code>	<code>string</code>	When present, indicates that modifications should not be persisted. An invalid or unrecognized <code>dryRun</code> directive will result in an error response and no further processing of the request. Valid values are: - All: all dry run stages will be processed
<code>fieldValidation</code>	<code>string</code>	<code>fieldValidation</code> instructs the server on how to handle objects in the request (POST/PUT/PATCH) containing unknown or duplicate fields. Valid values are: - Ignore: This will ignore any unknown fields that are silently dropped from the object, and will ignore all but the last duplicate field that the decoder encounters. This is the default behavior prior to v1.23. - Warn: This will send a warning via the standard warning response header for each unknown field that is dropped from the object, and for each duplicate field that is encountered. The request will still succeed if there are no other errors, and will only persist the last of any duplicate fields.

Parameter	Type	Description
		This is the default in v1.23+ - Strict: This will fail the request with a BadRequest error if any unknown fields would be dropped from the object, or if any duplicate fields are present. The error returned from the server will contain all unknown and duplicate fields encountered.

## Body parameters

Parameter	Type	Description
body	WasmModuleInstall schema	application/json formatted

## HTTP responses

HTTP code	Response body
200 - OK	WasmModuleInstall schema
201 - Created	WasmModuleInstall schema
202 - Accepted	WasmModuleInstall schema
401 - Unauthorized	Empty

# /apis/asm.alauda.io/v1beta1/namespaces/{namespace}/wasmmoduleinstalls/{name}

## HTTP method

DELETE

## Description

delete the specified WasmModuleInstall

## Query parameters

Parameter	Type	Description
<code>dryRun</code>	<code>string</code>	When present, indicates that modifications should not be persisted. An invalid or unrecognized <code>dryRun</code> directive will result in an error response and no further processing of the request. Valid values are: - All: all dry run stages will be processed

## HTTP responses

HTTP code	Response body
200 - OK	<code>Status</code> <a href="#">↗</a> schema
202 - Accepted	<code>Status</code> <a href="#">↗</a> schema
401 - Unauthorized	Empty

## HTTP method

`GET`

## Description

read the specified `WasmModuleInstall`

## HTTP responses

HTTP code	Response body
200 - OK	<code>WasmModuleInstall</code> schema
401 - Unauthorized	Empty

## HTTP method

`PATCH`

## Description

partially update the specified `WasmModuleInstall`

## Query parameters

Parameter	Type	Description
<code>dryRun</code>	<code>string</code>	When present, indicates that modifications should not be persisted. An invalid or unrecognized <code>dryRun</code> directive will result in an error response and no further processing of the request. Valid values are: - All: all dry run stages will be processed
<code>fieldValidation</code>	<code>string</code>	<code>fieldValidation</code> instructs the server on how to handle objects in the request (POST/PUT/PATCH) containing unknown or duplicate fields. Valid values are: - Ignore: This will ignore any unknown fields that are silently dropped from the object, and will ignore all but the last duplicate field that the decoder encounters. This is the default behavior prior to v1.23. - Warn: This will send a warning via the standard warning response header for each unknown field that is dropped from the object, and for each duplicate field that is encountered. The request will still succeed if there are no other errors, and will only persist the last of any duplicate fields. This is the default in v1.23+ - Strict: This will fail the request with a <code>BadRequest</code> error if any unknown fields would be dropped from the object, or if any duplicate fields are present. The error returned from the server will contain all unknown and duplicate fields encountered.

## HTTP responses

HTTP code	Response body
200 - OK	<code>WasmModuleInstall</code> schema
401 - Unauthorized	Empty

## HTTP method

`PUT`

## Description

replace the specified `WasmModuleInstall`

## Query parameters

Parameter	Type	Description
<code>dryRun</code>	<code>string</code>	When present, indicates that modifications should not be persisted. An invalid or unrecognized <code>dryRun</code> directive will result in an error response and no further processing of the request. Valid values are: - All: all dry run stages will be processed
<code>fieldValidation</code>	<code>string</code>	<code>fieldValidation</code> instructs the server on how to handle objects in the request (POST/PUT/PATCH) containing unknown or duplicate fields. Valid values are: - Ignore: This will ignore any unknown fields that are silently dropped from the object, and will ignore all but the last duplicate field that the decoder encounters. This is the default behavior prior to v1.23. - Warn: This will send a warning via the standard warning response header for each unknown field that is dropped from the object, and for each duplicate field that is encountered. The request will still succeed if there are no other errors, and will only persist the last of any duplicate fields. This is the default in v1.23+ - Strict: This will fail the request with a <code>BadRequest</code> error if any unknown fields would be dropped from the object, or if any duplicate fields are present. The error returned from the server will contain all unknown and duplicate fields encountered.

## Body parameters

Parameter	Type	Description
<code>body</code>	<code>WasmModuleInstall</code> schema	<code>application/json</code> formatted

## HTTP responses

HTTP code	Response body
200 - OK	<code>WasmModuleInstall</code> schema

HTTP code	Response body
201 - Created	<code>WasmModuleInstall</code> schema
401 - Unauthorized	Empty

## /apis/asm.alauda.io/v1beta1/namespaces/{namespace}/wasmmoduleinstalls/{name}/status

### HTTP method

GET

### Description

read status of the specified WasmModuleInstall

### HTTP responses

HTTP code	Response body
200 - OK	<code>WasmModuleInstall</code> schema
401 - Unauthorized	Empty

### HTTP method

PATCH

### Description

partially update status of the specified WasmModuleInstall

### Query parameters

Parameter	Type	Description
<code>dryRun</code>	<code>string</code>	When present, indicates that modifications should not be persisted. An invalid or unrecognized dryRun directive will result in an error response and no further processing of the request. Valid values are: - All: all dry run stages will be processed

Parameter	Type	Description
<code>fieldValidation</code>	<code>string</code>	<p><code>fieldValidation</code> instructs the server on how to handle objects in the request (POST/PUT/PATCH) containing unknown or duplicate fields. Valid values are:</p> <ul style="list-style-type: none"> <li>- Ignore: This will ignore any unknown fields that are silently dropped from the object, and will ignore all but the last duplicate field that the decoder encounters. This is the default behavior prior to v1.23.</li> <li>- Warn: This will send a warning via the standard warning response header for each unknown field that is dropped from the object, and for each duplicate field that is encountered. The request will still succeed if there are no other errors, and will only persist the last of any duplicate fields. This is the default in v1.23+.</li> <li>- Strict: This will fail the request with a <code>BadRequest</code> error if any unknown fields would be dropped from the object, or if any duplicate fields are present. The error returned from the server will contain all unknown and duplicate fields encountered.</li> </ul>

## HTTP responses

HTTP code	Response body
200 - OK	<code>WasmModuleInstall</code> schema
401 - Unauthorized	Empty

## HTTP method

PUT

## Description

replace status of the specified `WasmModuleInstall`

## Query parameters

Parameter	Type	Description
<code>dryRun</code>	<code>string</code>	When present, indicates that modifications should not be persisted. An invalid or unrecognized <code>dryRun</code>

Parameter	Type	Description
		directive will result in an error response and no further processing of the request. Valid values are: - All: all dry run stages will be processed
<code>fieldValidation</code>	<code>string</code>	<p>fieldValidation instructs the server on how to handle objects in the request (POST/PUT/PATCH) containing unknown or duplicate fields. Valid values are: - Ignore: This will ignore any unknown fields that are silently dropped from the object, and will ignore all but the last duplicate field that the decoder encounters. This is the default behavior prior to v1.23. - Warn: This will send a warning via the standard warning response header for each unknown field that is dropped from the object, and for each duplicate field that is encountered. The request will still succeed if there are no other errors, and will only persist the last of any duplicate fields. This is the default in v1.23+ - Strict: This will fail the request with a BadRequest error if any unknown fields would be dropped from the object, or if any duplicate fields are present. The error returned from the server will contain all unknown and duplicate fields encountered.</p>

## Body parameters

Parameter	Type	Description
<code>body</code>	<code>WasmModuleInstall</code> schema	<code>application/json</code> formatted

## HTTP responses

HTTP code	Response body
200 - OK	<code>WasmModuleInstall</code> schema
201 - Created	<code>WasmModuleInstall</code> schema
401 - Unauthorized	Empty



## Description

WasmModuleTemplate is the Schema for the wasmmoduletemplates API

## Type

object

## Specification

Property	Type	Description
<code>apiVersion</code>	<code>string</code>	APIVersion defines the versioned schema of this representation of an object. Servers should convert recognized schemas to the latest internal value, and may reject unrecognized values. More info: <a href="https://git.k8s.io/community/contributors/devel/sig-architecture/api-conventions.md#resources">https://git.k8s.io/community/contributors/devel/sig-architecture/api-conventions.md#resources</a>
<code>kind</code>	<code>string</code>	Kind is a string value representing the REST resource this object represents. Servers may infer this from the endpoint the client submits requests to. Cannot be updated. In CamelCase. More info: <a href="https://git.k8s.io/community/contributors/devel/sig-architecture/api-conventions.md#types-kinds">https://git.k8s.io/community/contributors/devel/sig-architecture/api-conventions.md#types-kinds</a>

Property	Type	Description
<code>metadata</code>	<code>ObjectMeta</code> ↗	ObjectMeta is metadata that all persisted resources must have, which includes all objects users must create.
<code>spec</code>	<code>object</code>	WasmModuleTemplateSpec defines the desired state of WasmModuleTemplate
<code>status</code>	<code>object</code>	WasmModuleTemplateStatus defines the observed state of WasmModuleTemplate

## .spec

### Description

WasmModuleTemplateSpec defines the desired state of WasmModuleTemplate

### Type

`object`

### Required

`imageRepo`

`template`

Property	Type	Description
<code>imagePullOptions</code>	<code>object</code>	
<code>imageRepo</code>	<code>string</code>	
<code>template</code>	<code>object</code>	

## .spec.imagePullOptions

## Type

object

Property	Type	Description
credentialsId	string	

## .spec.template

### Type

object

### Required

data type

Property	Type	Description
data	string	
type	string	
values	string	

## .status

### Description

WasmModuleTemplateStatus defines the observed state of WasmModuleTemplate

### Type

object

## API Endpoints

The following API endpoints are available:

- `/apis/asm.alauda.io/v1beta1/namespaces/{namespace}/wasmmoduletemplates`
  - **DELETE** : delete collection of WasmModuleTemplate
  - **GET** : list objects of kind WasmModuleTemplate
  - **POST** : create a new WasmModuleTemplate
- `/apis/asm.alauda.io/v1beta1/namespaces/{namespace}/wasmmoduletemplates/{name}`
  - **DELETE** : delete the specified WasmModuleTemplate
  - **GET** : read the specified WasmModuleTemplate
  - **PATCH** : partially update the specified WasmModuleTemplate
  - **PUT** : replace the specified WasmModuleTemplate
- `/apis/asm.alauda.io/v1beta1/namespaces/{namespace}/wasmmoduletemplates/{name}/status`
  - **GET** : read status of the specified WasmModuleTemplate
  - **PATCH** : partially update status of the specified WasmModuleTemplate
  - **PUT** : replace status of the specified WasmModuleTemplate

## `/apis/asm.alauda.io/v1beta1/namespaces/{namespace}/wasmmoduletemplates`

### HTTP method

**DELETE**

### Description

delete collection of WasmModuleTemplate

### HTTP responses

HTTP code	Response body
200 - OK	<b>Status</b> schema
401 - Unauthorized	Empty

## HTTP method

GET

## Description

list objects of kind WasmModuleTemplate

## HTTP responses

HTTP code	Response body
200 - OK	<code>WasmModuleTemplateList</code> schema
401 - Unauthorized	Empty

## HTTP method

POST

## Description

create a new WasmModuleTemplate

## Query parameters

Parameter	Type	Description
<code>dryRun</code>	<code>string</code>	When present, indicates that modifications should not be persisted. An invalid or unrecognized <code>dryRun</code> directive will result in an error response and no further processing of the request. Valid values are: - All: all dry run stages will be processed
<code>fieldValidation</code>	<code>string</code>	<code>fieldValidation</code> instructs the server on how to handle objects in the request (POST/PUT/PATCH) containing unknown or duplicate fields. Valid values are: - Ignore: This will ignore any unknown fields that are silently dropped from the object, and will ignore all but the last duplicate field that the decoder encounters. This is the default behavior prior to v1.23. - Warn: This will send a warning via the standard warning response header for each unknown field that is dropped from the object, and for each duplicate field that is encountered. The request will still succeed if there are no other errors, and will only persist the last of any duplicate fields.

Parameter	Type	Description
		This is the default in v1.23+ - Strict: This will fail the request with a BadRequest error if any unknown fields would be dropped from the object, or if any duplicate fields are present. The error returned from the server will contain all unknown and duplicate fields encountered.

## Body parameters

Parameter	Type	Description
body	WasmModuleTemplate schema	application/json formatted

## HTTP responses

HTTP code	Response body
200 - OK	WasmModuleTemplate schema
201 - Created	WasmModuleTemplate schema
202 - Accepted	WasmModuleTemplate schema
401 - Unauthorized	Empty

# /apis/asm.alauda.io/v1beta1/namespaces/{namespace}/wasmmoduletemplates/{name}

## HTTP method

DELETE

## Description

delete the specified WasmModuleTemplate

## Query parameters

Parameter	Type	Description
<code>dryRun</code>	<code>string</code>	When present, indicates that modifications should not be persisted. An invalid or unrecognized <code>dryRun</code> directive will result in an error response and no further processing of the request. Valid values are: - All: all dry run stages will be processed

## HTTP responses

HTTP code	Response body
200 - OK	<code>Status</code> <a href="#">↗</a> schema
202 - Accepted	<code>Status</code> <a href="#">↗</a> schema
401 - Unauthorized	Empty

## HTTP method

`GET`

## Description

read the specified `WasmModuleTemplate`

## HTTP responses

HTTP code	Response body
200 - OK	<code>WasmModuleTemplate</code> <a href="#">↗</a> schema
401 - Unauthorized	Empty

## HTTP method

`PATCH`

## Description

partially update the specified `WasmModuleTemplate`

## Query parameters

Parameter	Type	Description
<code>dryRun</code>	<code>string</code>	When present, indicates that modifications should not be persisted. An invalid or unrecognized <code>dryRun</code> directive will result in an error response and no further processing of the request. Valid values are: - All: all dry run stages will be processed
<code>fieldValidation</code>	<code>string</code>	<code>fieldValidation</code> instructs the server on how to handle objects in the request (POST/PUT/PATCH) containing unknown or duplicate fields. Valid values are: - Ignore: This will ignore any unknown fields that are silently dropped from the object, and will ignore all but the last duplicate field that the decoder encounters. This is the default behavior prior to v1.23. - Warn: This will send a warning via the standard warning response header for each unknown field that is dropped from the object, and for each duplicate field that is encountered. The request will still succeed if there are no other errors, and will only persist the last of any duplicate fields. This is the default in v1.23+ - Strict: This will fail the request with a <code>BadRequest</code> error if any unknown fields would be dropped from the object, or if any duplicate fields are present. The error returned from the server will contain all unknown and duplicate fields encountered.

## HTTP responses

HTTP code	Response body
200 - OK	<code>WasmModuleTemplate</code> schema
401 - Unauthorized	Empty

## HTTP method

`PUT`

## Description

replace the specified `WasmModuleTemplate`

## Query parameters

Parameter	Type	Description
<code>dryRun</code>	<code>string</code>	When present, indicates that modifications should not be persisted. An invalid or unrecognized <code>dryRun</code> directive will result in an error response and no further processing of the request. Valid values are: - All: all dry run stages will be processed
<code>fieldValidation</code>	<code>string</code>	<code>fieldValidation</code> instructs the server on how to handle objects in the request (POST/PUT/PATCH) containing unknown or duplicate fields. Valid values are: - Ignore: This will ignore any unknown fields that are silently dropped from the object, and will ignore all but the last duplicate field that the decoder encounters. This is the default behavior prior to v1.23. - Warn: This will send a warning via the standard warning response header for each unknown field that is dropped from the object, and for each duplicate field that is encountered. The request will still succeed if there are no other errors, and will only persist the last of any duplicate fields. This is the default in v1.23+ - Strict: This will fail the request with a <code>BadRequest</code> error if any unknown fields would be dropped from the object, or if any duplicate fields are present. The error returned from the server will contain all unknown and duplicate fields encountered.

## Body parameters

Parameter	Type	Description
<code>body</code>	<code>WasmModuleTemplate</code> schema	<code>application/json</code> formatted

## HTTP responses

HTTP code	Response body
200 - OK	<code>WasmModuleTemplate</code> schema

HTTP code	Response body
201 - Created	<code>WasmModuleTemplate</code> schema
401 - Unauthorized	Empty

## /apis/asm.alauda.io/v1beta1/namespaces/{namespace}/wasmmoduletemplates/{name}/status

### HTTP method

GET

### Description

read status of the specified WasmModuleTemplate

### HTTP responses

HTTP code	Response body
200 - OK	<code>WasmModuleTemplate</code> schema
401 - Unauthorized	Empty

### HTTP method

PATCH

### Description

partially update status of the specified WasmModuleTemplate

### Query parameters

Parameter	Type	Description
<code>dryRun</code>	<code>string</code>	When present, indicates that modifications should not be persisted. An invalid or unrecognized dryRun directive will result in an error response and no further processing of the request. Valid values are: - All: all dry run stages will be processed

Parameter	Type	Description
<code>fieldValidation</code>	<code>string</code>	<p><code>fieldValidation</code> instructs the server on how to handle objects in the request (POST/PUT/PATCH) containing unknown or duplicate fields. Valid values are:</p> <ul style="list-style-type: none"> <li>- Ignore: This will ignore any unknown fields that are silently dropped from the object, and will ignore all but the last duplicate field that the decoder encounters. This is the default behavior prior to v1.23.</li> <li>- Warn: This will send a warning via the standard warning response header for each unknown field that is dropped from the object, and for each duplicate field that is encountered. The request will still succeed if there are no other errors, and will only persist the last of any duplicate fields. This is the default in v1.23+.</li> <li>- Strict: This will fail the request with a <code>BadRequest</code> error if any unknown fields would be dropped from the object, or if any duplicate fields are present. The error returned from the server will contain all unknown and duplicate fields encountered.</li> </ul>

## HTTP responses

HTTP code	Response body
200 - OK	<code>WasmModuleTemplate</code> schema
401 - Unauthorized	Empty

## HTTP method

PUT

## Description

replace status of the specified `WasmModuleTemplate`

## Query parameters

Parameter	Type	Description
<code>dryRun</code>	<code>string</code>	When present, indicates that modifications should not be persisted. An invalid or unrecognized <code>dryRun</code>

Parameter	Type	Description
		directive will result in an error response and no further processing of the request. Valid values are: - All: all dry run stages will be processed
<code>fieldValidation</code>	<code>string</code>	<p>fieldValidation instructs the server on how to handle objects in the request (POST/PUT/PATCH) containing unknown or duplicate fields. Valid values are: - Ignore: This will ignore any unknown fields that are silently dropped from the object, and will ignore all but the last duplicate field that the decoder encounters. This is the default behavior prior to v1.23. - Warn: This will send a warning via the standard warning response header for each unknown field that is dropped from the object, and for each duplicate field that is encountered. The request will still succeed if there are no other errors, and will only persist the last of any duplicate fields. This is the default in v1.23+ - Strict: This will fail the request with a BadRequest error if any unknown fields would be dropped from the object, or if any duplicate fields are present. The error returned from the server will contain all unknown and duplicate fields encountered.</p>

## Body parameters

Parameter	Type	Description
<code>body</code>	<code>WasmModuleTemplate</code> schema	<code>application/json</code> formatted

## HTTP responses

HTTP code	Response body
200 - OK	<code>WasmModuleTemplate</code> schema
201 - Created	<code>WasmModuleTemplate</code> schema
401 - Unauthorized	Empty



## Type

object

## Specification

Property	Type	Description
<code>apiVersion</code>	<code>string</code>	<p>APIVersion defines the versioned schema of this representation of an object. Servers should convert recognized schemas to the latest internal value, and may reject unrecognized values. More info: <a href="https://git.k8s.io/community/contributors/devel/api-conventions.md#resources">https://git.k8s.io/community/contributors/devel/api-conventions.md#resources</a> ↗</p>
<code>kind</code>	<code>string</code>	<p>Kind is a string value representing the REST resource this object represents. Servers may infer this from the endpoint the client submits requests to. Cannot be updated. In CamelCase. More info: <a href="https://git.k8s.io/community/contributors/devel/api-conventions.md#types-kinds">https://git.k8s.io/community/contributors/devel/api-conventions.md#types-kinds</a> ↗</p>

Property	Type	Description
<code>metadata</code>	<code>ObjectMeta</code> ↗	ObjectMeta is metadata that all persisted resources must have, which includes all objects users must create.
<code>spec</code>	<code>object</code>	
<code>status</code>	<code>object</code>	

## `.spec`

### Type

`object`

### Required

`destmatch`

`allowlist`

Property	Type	Description
<code>allowlist</code>	<code>array</code>	
<code>destmatch</code>	<code>object</code>	INSERT ADDITIONAL SPEC FIELDS - desired state of cluster Important: Run "make" to regenerate code after modifying this file

## `.spec.allowlist`

### Type

`array`

## `.spec.allowlist[]`

## Type

object

## Required

app

Property	Type	Description
app	string	
version	string	

## .spec.destmatch

### Description

INSERT ADDITIONAL SPEC FIELDS - desired state of cluster Important: Run "make" to regenerate code after modifying this file

## Type

object

## Required

service

namespace

Property	Type	Description
namespace	string	
service	string	

## .status

## Type

object

# API Endpoints

The following API endpoints are available:

- `/apis/asm.alauda.io/v1alpha1/namespaces/{namespace}/whitelists`
  - `DELETE` : delete collection of WhiteList
  - `GET` : list objects of kind WhiteList
  - `POST` : create a new WhiteList
- `/apis/asm.alauda.io/v1alpha1/namespaces/{namespace}/whitelists/{name}`
  - `DELETE` : delete the specified WhiteList
  - `GET` : read the specified WhiteList
  - `PATCH` : partially update the specified WhiteList
  - `PUT` : replace the specified WhiteList
- `/apis/asm.alauda.io/v1alpha1/namespaces/{namespace}/whitelists/{name}/status`
  - `GET` : read status of the specified WhiteList
  - `PATCH` : partially update status of the specified WhiteList
  - `PUT` : replace status of the specified WhiteList

## `/apis/asm.alauda.io/v1alpha1/namespaces/{namespace}/whitelists`

### HTTP method

`DELETE`

### Description

delete collection of WhiteList

### HTTP responses

HTTP code	Response body
200 - OK	<code>Status</code> schema
401 - Unauthorized	Empty

## HTTP method

GET

## Description

list objects of kind WhiteList

## HTTP responses

HTTP code	Response body
200 - OK	<code>WhiteListList</code> schema
401 - Unauthorized	Empty

## HTTP method

POST

## Description

create a new WhiteList

## Query parameters

Parameter	Type	Description
<code>dryRun</code>	<code>string</code>	When present, indicates that modifications should not be persisted. An invalid or unrecognized dryRun directive will result in an error response and no further processing of the request. Valid values are: - All: all dry run stages will be processed
<code>fieldValidation</code>	<code>string</code>	fieldValidation instructs the server on how to handle objects in the request (POST/PUT/PATCH) containing unknown or duplicate fields. Valid values are: - Ignore: This will ignore any unknown fields that are silently dropped from the object, and will ignore all but the last

Parameter	Type	Description
		duplicate field that the decoder encounters. This is the default behavior prior to v1.23. - Warn: This will send a warning via the standard warning response header for each unknown field that is dropped from the object, and for each duplicate field that is encountered. The request will still succeed if there are no other errors, and will only persist the last of any duplicate fields. This is the default in v1.23+ - Strict: This will fail the request with a BadRequest error if any unknown fields would be dropped from the object, or if any duplicate fields are present. The error returned from the server will contain all unknown and duplicate fields encountered.

### Body parameters

Parameter	Type	Description
body	whiteList schema	application/json formatted

### HTTP responses

HTTP code	Response body
200 - OK	whiteList schema
201 - Created	whiteList schema
202 - Accepted	whiteList schema
401 - Unauthorized	Empty

## /apis/asm.alauda.io/v1alpha1/namespaces/{namespace}/whitelists/{name}

### HTTP method

DELETE

## Description

delete the specified WhiteList

## Query parameters

Parameter	Type	Description
<code>dryRun</code>	<code>string</code>	When present, indicates that modifications should not be persisted. An invalid or unrecognized dryRun directive will result in an error response and no further processing of the request. Valid values are: - All: all dry run stages will be processed

## HTTP responses

HTTP code	Response body
200 - OK	<code>Status</code> schema
202 - Accepted	<code>Status</code> schema
401 - Unauthorized	Empty

## HTTP method

`GET`

## Description

read the specified WhiteList

## HTTP responses

HTTP code	Response body
200 - OK	<code>whiteList</code> schema
401 - Unauthorized	Empty

## HTTP method

`PATCH`

## Description

partially update the specified WhiteList

## Query parameters

Parameter	Type	Description
<code>dryRun</code>	<code>string</code>	When present, indicates that modifications should not be persisted. An invalid or unrecognized <code>dryRun</code> directive will result in an error response and no further processing of the request. Valid values are: - All: all dry run stages will be processed
<code>fieldValidation</code>	<code>string</code>	<code>fieldValidation</code> instructs the server on how to handle objects in the request (POST/PUT/PATCH) containing unknown or duplicate fields. Valid values are: - Ignore: This will ignore any unknown fields that are silently dropped from the object, and will ignore all but the last duplicate field that the decoder encounters. This is the default behavior prior to v1.23. - Warn: This will send a warning via the standard warning response header for each unknown field that is dropped from the object, and for each duplicate field that is encountered. The request will still succeed if there are no other errors, and will only persist the last of any duplicate fields. This is the default in v1.23+ - Strict: This will fail the request with a <code>BadRequest</code> error if any unknown fields would be dropped from the object, or if any duplicate fields are present. The error returned from the server will contain all unknown and duplicate fields encountered.

## HTTP responses

HTTP code	Response body
200 - OK	<code>whiteList</code> schema
401 - Unauthorized	Empty

## HTTP method

`PUT`

## Description

replace the specified WhiteList

## Query parameters

Parameter	Type	Description
<code>dryRun</code>	<code>string</code>	When present, indicates that modifications should not be persisted. An invalid or unrecognized <code>dryRun</code> directive will result in an error response and no further processing of the request. Valid values are: - All: all dry run stages will be processed
<code>fieldValidation</code>	<code>string</code>	<code>fieldValidation</code> instructs the server on how to handle objects in the request (POST/PUT/PATCH) containing unknown or duplicate fields. Valid values are: - Ignore: This will ignore any unknown fields that are silently dropped from the object, and will ignore all but the last duplicate field that the decoder encounters. This is the default behavior prior to v1.23. - Warn: This will send a warning via the standard warning response header for each unknown field that is dropped from the object, and for each duplicate field that is encountered. The request will still succeed if there are no other errors, and will only persist the last of any duplicate fields. This is the default in v1.23+ - Strict: This will fail the request with a <code>BadRequest</code> error if any unknown fields would be dropped from the object, or if any duplicate fields are present. The error returned from the server will contain all unknown and duplicate fields encountered.

## Body parameters

Parameter	Type	Description
<code>body</code>	<code>WhiteList</code> schema	<code>application/json</code> formatted

## HTTP responses

HTTP code	Response body
200 - OK	<code>WhiteList</code> schema
201 - Created	<code>WhiteList</code> schema
401 - Unauthorized	Empty

## /apis/asm.alauda.io/v1alpha1/namespaces/{namespace}/whitelists/{name}/status

### HTTP method

GET

### Description

read status of the specified WhiteList

### HTTP responses

HTTP code	Response body
200 - OK	<code>WhiteList</code> schema
401 - Unauthorized	Empty

### HTTP method

PATCH

### Description

partially update status of the specified WhiteList

### Query parameters

Parameter	Type	Description
<code>dryRun</code>	<code>string</code>	When present, indicates that modifications should not be persisted. An invalid or unrecognized dryRun directive will result in an error response and no further

Parameter	Type	Description
		processing of the request. Valid values are: - All: all dry run stages will be processed
<code>fieldValidation</code>	<code>string</code>	<p><code>fieldValidation</code> instructs the server on how to handle objects in the request (POST/PUT/PATCH) containing unknown or duplicate fields. Valid values are: - Ignore: This will ignore any unknown fields that are silently dropped from the object, and will ignore all but the last duplicate field that the decoder encounters. This is the default behavior prior to v1.23. - Warn: This will send a warning via the standard warning response header for each unknown field that is dropped from the object, and for each duplicate field that is encountered. The request will still succeed if there are no other errors, and will only persist the last of any duplicate fields. This is the default in v1.23+ - Strict: This will fail the request with a BadRequest error if any unknown fields would be dropped from the object, or if any duplicate fields are present. The error returned from the server will contain all unknown and duplicate fields encountered.</p>

## HTTP responses

HTTP code	Response body
200 - OK	<code>whiteList</code> schema
401 - Unauthorized	Empty

## HTTP method

`PUT`

## Description

replace status of the specified WhiteList

## Query parameters

Parameter	Type	Description
<code>dryRun</code>	<code>string</code>	When present, indicates that modifications should not be persisted. An invalid or unrecognized <code>dryRun</code> directive will result in an error response and no further processing of the request. Valid values are: - All: all dry run stages will be processed
<code>fieldValidation</code>	<code>string</code>	<code>fieldValidation</code> instructs the server on how to handle objects in the request (POST/PUT/PATCH) containing unknown or duplicate fields. Valid values are: - Ignore: This will ignore any unknown fields that are silently dropped from the object, and will ignore all but the last duplicate field that the decoder encounters. This is the default behavior prior to v1.23. - Warn: This will send a warning via the standard warning response header for each unknown field that is dropped from the object, and for each duplicate field that is encountered. The request will still succeed if there are no other errors, and will only persist the last of any duplicate fields. This is the default in v1.23+ - Strict: This will fail the request with a <code>BadRequest</code> error if any unknown fields would be dropped from the object, or if any duplicate fields are present. The error returned from the server will contain all unknown and duplicate fields encountered.

## Body parameters

Parameter	Type	Description
<code>body</code>	<code>whiteList</code> schema	<code>application/json</code> formatted

## HTTP responses

HTTP code	Response body
200 - OK	<code>whiteList</code> schema
201 - Created	<code>whiteList</code> schema

<b>HTTP code</b>	<b>Response body</b>
401 - Unauthorized	Empty