Alert APIs

AlertTemplate [alerttemplates.a PrometheusRule [prometheusrules.monitorin

AlertTemplate [alerttemplates.aiops.alauda.io/v1beta1]

类型

`object`

规格

属性	类型	描述
`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: https://git.k8s.io/community/contributors/devel/api-conventions.md#resources ↗

属性	类型	描述
`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: https://git.k8s.io/community/contributors/devel/api-conventions.md#types-kinds ↗
`metadata`	`ObjectMeta`	ObjectMeta is metadata that all persisted resources must have, which includes all objects users must create.
`spec`	`object`	spec contains specification parameters for a template resource

.spec

描述

spec contains specification parameters for a template resource

类型

`object`

属性	类型	描述
`templates`	`array`	templates is a list of alert template

.spec.templates

描述

templates is a list of alert template

类型

`array`

.spec.templates[]

描述

template item

类型

`object`

必填

`compare` `metric` `name` `threshold` `wait`

属性	类型	描述
`annotations`	`object`	rule annotations
`compare`	`string`	compare of a template
`expr`	`string`	query expression
`labels`	`object`	rule labels
`metric`	`object`	metric info for this alert
`name`	`string`	alert range

属性	类型	描述
`metric_name`	`string`	metric name
`notifications`	`array`	notifcations triggered by this alert
`threshold`	`number`	alert threshold
`unit`	`string`	unit for metric
`wait`	`integer`	time of duration

.spec.templates[].annotations

描述

rule annotations

类型

`object`

.spec.templates[].labels

描述

rule labels

类型

`object`

.spec.templates[].metric

描述

metric info for this alert

类型

`object`

属性	类型	描述
`queries`	`array`	queries array for this metric

.spec.templates[].metric.queries

描述

queries array for this metric

类型

`array`

.spec.templates[].metric.queries[]

类型

`object`

属性	类型	描述
`aggregator`	`string`	aggregator functions
`labels`	`array`	labels for alert object

属性	类型	描述
`range`	`integer`	aggregate range

.spec.templates[].metric.queries[].labels

描述

labels for alert object

类型

`array`

.spec.templates[].metric.queries[].labels[]

类型

`object`

属性	类型	描述
`name`	`string`	label name
`value`	`string`	label value

.spec.templates[].notifications

描述

notifcations triggered by this alert

类型

`array`

.spec.templates[].notifications[]

类型

`object`

属性	类型	描述
`name`	`string`	notification name
`namespace`	`string`	notification namespace
`uuid`	`string`	notification uuid

API 端点

可用的 API 端点如下：

- `/apis/aiops.alauda.io/v1beta1/alerttemplates`
  - `DELETE`: delete collection of AlertTemplate
  - `GET`: list objects of kind AlertTemplate
  - `POST`: create a new AlertTemplate
- `/apis/aiops.alauda.io/v1beta1/alerttemplates/{name}`
  - `DELETE`: delete the specified AlertTemplate
  - `GET`: read the specified AlertTemplate
  - `PATCH`: partially update the specified AlertTemplate
  - `PUT`: replace the specified AlertTemplate

/apis/aiops.alauda.io/v1beta1/alerttemplates

HTTP 方法

`DELETE`

描述

delete collection of AlertTemplate

HTTP 响应

HTTP 状态码	响应体
200 - OK	`Status` schema
401 - Unauthorized	Empty

HTTP 方法

`GET`

描述

list objects of kind AlertTemplate

HTTP 响应

HTTP 状态码	响应体
200 - OK	`AlertTemplateList` schema
401 - Unauthorized	Empty

HTTP 方法

`POST`

描述

create a new AlertTemplate

查询参数

参数	类型	描述
`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 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.

请求体参数

参数	类型	描述
`body`	`AlertTemplate` schema	`application/json` formatted

HTTP 响应

HTTP 状态码	响应体
200 - OK	`AlertTemplate` schema
201 - Created	`AlertTemplate` schema

HTTP 状态码	响应体
202 - Accepted	`AlertTemplate` schema
401 - Unauthorized	Empty

/apis/aiops.alauda.io/v1beta1/alerttemplates/{name}

HTTP 方法

`DELETE`

描述

delete the specified AlertTemplate

查询参数

参数	类型	描述
`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 响应

HTTP 状态码	响应体
200 - OK	`Status` schema
202 - Accepted	`Status` schema
401 - Unauthorized	Empty

HTTP 方法

`GET`

描述

read the specified AlertTemplate

HTTP 响应

HTTP 状态码	响应体
200 - OK	`AlertTemplate` schema
401 - Unauthorized	Empty

HTTP 方法

`PATCH`

描述

partially update the specified AlertTemplate

查询参数

参数	类型	描述
`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

参数	类型	描述
`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 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 响应

HTTP 状态码	响应体
200 - OK	`AlertTemplate` schema
401 - Unauthorized	Empty

HTTP 方法

`PUT`

描述

replace the specified AlertTemplate

查询参数

参数	类型	描述
`dryRun`	`string`	When present, indicates that modifications should not be persisted. An invalid or unrecognized dryRun

参数	类型	描述
		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 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.

请求体参数

参数	类型	描述
`body`	`AlertTemplate` schema	`application/json` formatted

HTTP 响应

HTTP 状态码	响应体
200 - OK	`AlertTemplate` schema
201 - Created	`AlertTemplate` schema
401 - Unauthorized	Empty

PrometheusRule [prometheusrules.monitoring.coreos.com/v1]

描述

The `PrometheusRule` custom resource definition (CRD) defines [alerting](https://prometheus.io/docs/prometheus/latest/configuration/alerting_rules/) and [recording](https://prometheus.io/docs/prometheus/latest/configuration/recording_rules/) rules to be evaluated by `Prometheus` or `ThanosRuler` objects. `Prometheus` and `ThanosRuler` objects select `PrometheusRule` objects using label and namespace selectors.

类型

`object`

必填

`spec`

规格

属性	类型	描述
`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:

属性	类型	描述
		https://git.k8s.io/community/contributors/devel/sig-architecture/api-conventions.md#resources ↗
`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: https://git.k8s.io/community/contributors/devel/sig-architecture/api-conventions.md#types-kinds ↗
`metadata`	`ObjectMeta`	ObjectMeta is metadata that all persisted resources must have, which includes all objects users must create.
`spec`	`object`	Specification of desired alerting rule definitions for Prometheus.

.spec

描述

Specification of desired alerting rule definitions for Prometheus.

类型

`object`

属性	类型	描述
`groups`	`array`	Content of Prometheus rule file

.spec.groups

描述

Content of Prometheus rule file

类型

`array`

.spec.groups[]

描述

RuleGroup is a list of sequentially evaluated recording and alerting rules.

类型

`object`

必填

`name`

属性	类型	描述
`interval`	`string`	Interval determines how often rules in the group evaluated.
`labels`	`object`	Labels to add or overwrite before storing the res its rules. The labels defined at the rule level tak precedence. It requires Prometheus >= 3.0.0. The field is ign for Thanos Ruler.

属性	类型	描述
`limit`	`integer`	Limit the number of alerts an alerting rule and s recording rule can produce. Limit is supported s with Prometheus >= 2.31 and Thanos Ruler >=
`name`	`string`	Name of the rule group.
`partial_response_strategy`	`string`	PartialResponseStrategy is only used by Thanc and will be ignored by Prometheus instances. M info: https://github.com/thanos-io/thanos/blob/main/docs/components/rule.md#response ↗
`query_offset`	`string`	Defines the offset the rule evaluation timestamp this particular group by the specified duration in past. It requires Prometheus >= v2.53.0. It is not sup for ThanosRuler.
`rules`	`array`	List of alerting and recording rules.

.spec.groups[].labels

描述

Labels to add or overwrite before storing the result for its rules. The labels defined at the rule level take precedence. It requires Prometheus >= 3.0.0. The field is ignored for Thanos Ruler.

类型

`object`

.spec.groups[].rules

描述

List of alerting and recording rules.

类型

`array`

.spec.groups[].rules[]

描述

Rule describes an alerting or recording rule See Prometheus documentation: [alerting] (https://www.prometheus.io/docs/prometheus/latest/configuration/alerting_rules/) or [recording] (https://www.prometheus.io/docs/prometheus/latest/configuration/recording_rules/#recording-rules) rule

类型

`object`

必填

`expr`

属性	类型	描述
`alert`	`string`	Name of the alert. Must be a valid label value. Only one of `record` and `alert` must be set.
`annotations`	`object`	Annotations to add to each alert. Only valid for alerting rules.

属性	类型	描述
`expr`	`integer|string`	PromQL expression to evaluate.
`for`	`string`	Alerts are considered firing once they have been returned for this long.
`keep_firing_for`	`string`	KeepFiringFor defines how long an alert will continue firing after the condition that triggered it has cleared.
`labels`	`object`	Labels to add or overwrite.
`record`	`string`	Name of the time series to output to. Must be a valid metric name. Only one of `record` and `alert` must be set.

.spec.groups[].rules[].annotations

描述

Annotations to add to each alert. Only valid for alerting rules.

类型

`object`

.spec.groups[].rules[].labels

描述

Labels to add or overwrite.

类型

`object`

API 端点

可用的 API 端点如下：

- `/apis/monitoring.coreos.com/v1/namespaces/{namespace}/prometheusrules`
  - `DELETE`: delete collection of PrometheusRule
  - `GET`: list objects of kind PrometheusRule
  - `POST`: create a new PrometheusRule
- `/apis/monitoring.coreos.com/v1/namespaces/{namespace}/prometheusrules/{name}`
  - `DELETE`: delete the specified PrometheusRule
  - `GET`: read the specified PrometheusRule
  - `PATCH`: partially update the specified PrometheusRule
  - `PUT`: replace the specified PrometheusRule

/apis/monitoring.coreos.com/v1/namespaces/{namespace}/prometheusrules

HTTP 方法

`DELETE`

描述

delete collection of PrometheusRule

HTTP 响应

HTTP 状态码	响应体
200 - OK	`Status` schema

HTTP 状态码	响应体
401 - Unauthorized	Empty

HTTP 方法

`GET`

描述

list objects of kind PrometheusRule

HTTP 响应

HTTP 状态码	响应体
200 - OK	`PrometheusRuleList` schema
401 - Unauthorized	Empty

HTTP 方法

`POST`

描述

create a new PrometheusRule

查询参数

参数	类型	描述
`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

参数	类型	描述
		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.

请求体参数

参数	类型	描述
`body`	`PrometheusRule` schema	`application/json` formatted

HTTP 响应

HTTP 状态码	响应体
200 - OK	`PrometheusRule` schema
201 - Created	`PrometheusRule` schema
202 - Accepted	`PrometheusRule` schema
401 - Unauthorized	Empty

/apis/monitoring.coreos.com/v1/namespaces/{namespace}/prometheusrules/{name}

HTTP 方法

`DELETE`

描述

delete the specified PrometheusRule

查询参数

参数	类型	描述
`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 响应

HTTP 状态码	响应体
200 - OK	`Status` schema
202 - Accepted	`Status` schema
401 - Unauthorized	Empty

HTTP 方法

`GET`

描述

read the specified PrometheusRule

HTTP 响应

HTTP 状态码	响应体
200 - OK	`PrometheusRule` schema
401 - Unauthorized	Empty

HTTP 方法

`PATCH`

描述

partially update the specified PrometheusRule

查询参数

参数	类型	描述
`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 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 响应

HTTP 状态码	响应体
200 - OK	`PrometheusRule` schema
401 - Unauthorized	Empty

HTTP 方法

`PUT`

描述

replace the specified PrometheusRule

查询参数

参数	类型	描述
`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 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.

请求体参数

参数	类型	描述
`body`	`PrometheusRule` schema	`application/json` formatted

HTTP 响应

HTTP 状态码	响应体
200 - OK	`PrometheusRule` schema
201 - Created	`PrometheusRule` schema
401 - Unauthorized	Empty