

# security.istio.io

[peerauthentications](#)

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## Type

object

## Specification

Property	Type	Description
<code>spec</code>	object	PeerAuthentication defines how traffic will be tunneled (or not) to the sidecar.
<code>status</code>	object	

## .spec

### Description

PeerAuthentication defines how traffic will be tunneled (or not) to the sidecar.

### Type

object

Property	Type	Description
<code>mtls</code>	object	Mutual TLS settings for workload.

Property	Type	Description
<code>portLevelMtls</code>	<code>object</code>	Port specific mutual TLS settings.
<code>selector</code>	<code>object</code>	The selector determines the workloads to apply the ChannelAuthentication on.

## `.spec.mtls`

### Description

Mutual TLS settings for workload.

### Type

`object`

Property	Type	Description
<code>mode</code>	<code>string</code>	Defines the mTLS mode used for peer authentication.

## `.spec.portLevelMtls`

### Description

Port specific mutual TLS settings.

### Type

`object`

## `.spec.selector`

### Description

The selector determines the workloads to apply the ChannelAuthentication on.

## Type

object

Property	Type	Description
matchLabels	object	

## .spec.selector.matchLabels

## Type

object

## .status

## Type

object

# API Endpoints

The following API endpoints are available:

- `/apis/security.istio.io/v1beta1/namespaces/{namespace}/peerauthentications`
  - **DELETE** : delete collection of PeerAuthentication
  - **GET** : list objects of kind PeerAuthentication
  - **POST** : create a new PeerAuthentication
- `/apis/security.istio.io/v1beta1/namespaces/{namespace}/peerauthentications/{name}`
  - **DELETE** : delete the specified PeerAuthentication
  - **GET** : read the specified PeerAuthentication
  - **PATCH** : partially update the specified PeerAuthentication
  - **PUT** : replace the specified PeerAuthentication

- `/apis/security.istio.io/v1beta1/namespaces/{namespace}/peerauthentications/{name}/status`
  - `GET` : read status of the specified PeerAuthentication
  - `PATCH` : partially update status of the specified PeerAuthentication
  - `PUT` : replace status of the specified PeerAuthentication

## `/apis/security.istio.io/v1beta1/namespaces/{namespace}/peerauthentications`

### HTTP method

`DELETE`

### Description

delete collection of PeerAuthentication

### HTTP responses

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

### HTTP method

`GET`

### Description

list objects of kind PeerAuthentication

### HTTP responses

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

### HTTP method

POST

## Description

create a new PeerAuthentication

## 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>PeerAuthentication</code> schema	<code>application/json</code> formatted

## HTTP responses

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

## /apis/security.istio.io/v1beta1/namespaces/{namespace}/peerauthentications/{name}

### HTTP method

DELETE

### Description

delete the specified PeerAuthentication

### 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 PeerAuthentication

## HTTP responses

HTTP code	Response body
200 - OK	PeerAuthentication schema
401 - Unauthorized	Empty

## HTTP method

PATCH

## Description

partially update the specified PeerAuthentication

## 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.

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>PeerAuthentication</code> schema
401 - Unauthorized	Empty

## HTTP method

PUT

## Description

replace the specified PeerAuthentication

## 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	PeerAuthentication schema	application/json formatted

### HTTP responses

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

## /apis/security.istio.io/v1beta1/namespaces/{namespace}/peerauthentications/{name}/status

### HTTP method

GET

### Description

read status of the specified PeerAuthentication

### HTTP responses

HTTP code	Response body
200 - OK	PeerAuthentication schema
401 - Unauthorized	Empty

## HTTP method

PATCH

## Description

partially update status of the specified PeerAuthentication

## 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 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>PeerAuthentication</code> schema
401 - Unauthorized	Empty

## HTTP method

PUT

## Description

replace status of the specified PeerAuthentication

## 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>PeerAuthentication</code> schema	<code>application/json</code> formatted

## HTTP responses

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