# security.istio.io

peerauthentications

**Type**

`object`

# Specification

| Property | Type | Description |
| --- | --- | --- |
| `spec` | `object` | PeerAuthentication defines how traffic will be tunneled (or not) to the sidecar. |
| `status` | `object` | |

## .spec

**Description**

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

**Type**

`object`

| Property | Type | Description |
| --- | --- | --- |
| `mtls` | `object` | Mutual TLS settings for workload. |

| Property | Type | Description |
| --- | --- | --- |
| `portLevelMtls` | `object` | Port specific mutual TLS settings. |
| `selector` | `object` | The selector determines the workloads to apply the ChannelAuthentication on. |

## .spec.mtls

### Description

Mutual TLS settings for workload.

### Type

`object`

| Property | Type | Description |
| --- | --- | --- |
| `mode` | `string` | 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 | `Status` schema |
| 401 - Unauthorized | Empty |

### HTTP method

`GET`

### Description

list objects of kind PeerAuthentication

### HTTP responses

| HTTP code | Response body |
| --- | --- |
| 200 - OK | `PeerAuthenticationList` schema |
| 401 - Unauthorized | Empty |

### HTTP method

`POST`

### Description

create a new 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. |

### 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 |
| 202 - Accepted | `PeerAuthentication` 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 |
| --- | --- | --- |
| `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 | `Status` schema |
| 202 - Accepted | `Status` 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 | `PeerAuthentication` schema |
| 401 - Unauthorized | Empty |

### HTTP method

`PUT`

### Description

replace 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, |

| 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 | `PeerAuthentication` schema |
| 401 - Unauthorized | Empty |

### HTTP method

`PUT`

### Description

replace 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 |

| Parameter | Type | Description |
| --- | --- | --- |
| `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. |

### 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 |