# View and update IPsec configuration

ONTAP 9.14.1 REST API reference

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# View and update IPsec configuration

## Security IPsec endpoint overview

### Overview

The following operations are supported:

- GET to retrieve the IPsec status: GET security/ipsec
- Patch to update IPsec status: PATCH security/ipsec

## Retrieve an IPsec configuration

GET `/security/ipsec`

**Introduced In:** 9.8

Retrieves IPsec configuration via REST APIs.

### Related ONTAP commands

- 'security ipsec config show'

### Parameters

| Name | Type | In | Required | Description |
|---|---|---|---|---|
| fields | array[string] | query | False | Specify the fields to return. |

### Response

```
Status: 200, Ok
```

| Name | Type | Description |
|---|---|---|
| _links | self_link | |
| enabled | boolean | Indicates whether or not IPsec is enabled. |
| replay_window | integer | Replay window size in packets, where 0 indicates that the relay window is disabled. |

**Example response**


```
{
  "_links": {
    "self": {
      "href": "/api/resourcelink"
    }
  },
  "replay_window": 0
}
```


## Error

```
Status: Default, Error
```

| Name | Type | Description |
|---|---|---|
| error | returned_error | |

**Example error**


```
{
  "error": {
    "arguments": {
      "code": "string",
      "message": "string"
    },
    "code": "4",
    "message": "entry doesn't exist",
    "target": "uuid"
  }
}
```


## Definitions

**See Definitions**

href

| Name | Type | Description |
|---|---|---|
| href | string | |

self_link

| Name | Type | Description |
|---|---|---|
| self | href | |

error_arguments

| Name | Type | Description |
|---|---|---|
| code | string | Argument code |
| message | string | Message argument |

returned_error

| Name | Type | Description |
|---|---|---|
| arguments | array[error_arguments] | Message arguments |
| code | string | Error code |
| message | string | Error message |
| target | string | The target parameter that caused the error. |

# Update an IPsec configuration

PATCH `/security/ipsec`

**Introduced In:** 9.8

Updates IPsec configuration via REST APIs.

## Related ONTAP commands

- 'security ipsec config modify'

## Request Body

| Name | Type | Description |
|---|---|---|
| _links | self_link | |
| enabled | boolean | Indicates whether or not IPsec is enabled. |
| replay_window | integer | Replay window size in packets, where 0 indicates that the relay window is disabled. |

**Example request**

```
{
  "_links": {
    "self": {
      "href": "/api/resourcelink"
    }
  },
  "replay_window": 0
}
```

## Response

```
Status: 200, Ok
```

## Error

```
Status: Default
```

ONTAP Error Response Codes

| Error Code | Description |
|---|---|
| 66256898 | Internal error. Failed to enable IPsec. |
| 66256899 | Internal error. Failed to disable IPsec. |
| 66257199 | IPsec is not supported in the current cluster version. |

Also see the table of common errors in the Response body overview section of this documentation.

| Name | Type | Description |
| --- | --- | --- |
| error | returned_error | |

**Example error**


```
{
  "error": {
    "arguments": {
      "code": "string",
      "message": "string"
    },
    "code": "4",
    "message": "entry doesn't exist",
    "target": "uuid"
  }
}
```


## Definitions

**See Definitions**

href

| Name | Type | Description |
|---|---|---|
| href | string | |

self_link

| Name | Type | Description |
|---|---|---|
| self | href | |

ipsec

Manages IPsec configuration via REST APIs.

| Name | Type | Description |
|---|---|---|
| _links | self_link | |
| enabled | boolean | Indicates whether or not IPsec is enabled. |
| replay_window | integer | Replay window size in packets, where 0 indicates that the relay window is disabled. |

error_arguments

| Name | Type | Description |
|---|---|---|
| code | string | Argument code |
| message | string | Message argument |

returned_error

| Name | Type | Description |
|---|---|---|
| arguments | array[error_arguments] | Message arguments |
| code | string | Error code |
| message | string | Error message |
| target | string | The target parameter that caused the error. |

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