



View and update IPsec configuration

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.
offload_enabled	boolean	Indicates whether or not IPsec hardware offload 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.

Optional properties

- 'enabled' - Enable IPsec.
- 'replay_window' - Replay window size in packets.
- 'offload_enabled' - Enable IPsec hardware offload.

Related ONTAP commands

- 'security ipsec config modify'

Request Body

Name	Type	Description
enabled	boolean	Indicates whether or not IPsec is enabled.
offload_enabled	boolean	Indicates whether or not IPsec hardware offload is enabled.
replay_window	integer	Replay window size in packets, where 0 indicates that the relay window is disabled.

Example request

```
{
  "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.
66256913	Offload setting changes are not allowed when IPsec is enabled.
66256915	Anti-replay protection and IPsec offload cannot be operational at the same time.

Error Code	Description
66257007	Failed to update replay window size.
66257199	IPsec is not supported in the current cluster version.
66257496	IPsec must be enabled to support BGP peer groups with MD5. Disable MD5 first in the BGP peer group.

Also see the table of common errors in the [Response body](#) overview section of this documentation.

Definitions

See Definitions

href

Name	Type	Description
href	string	

self_link

ipsec

Manages IPsec configuration via REST APIs.

Name	Type	Description
enabled	boolean	Indicates whether or not IPsec is enabled.
offload_enabled	boolean	Indicates whether or not IPsec hardware offload 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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