



## **Manage IPsec policies**

ONTAP 9.11.1 REST API reference

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# Manage IPsec policies

## Security IPsec policies endpoint overview

### Overview

The following operations are supported:

- Collection Get: GET security/ipsec/policies
- Creation Post: POST security/ipsec/policies
- Instance Get: GET security/ipsec/policies/uuid
- Instance Patch: PATCH security/ipsec/policies/uuid
- Instance Delete: DELETE security/ipsec/policies/uuid

## Retrieve IPsec policies

GET /security/ipsec/policies

**Introduced In:** 9.8

Retrieves the collection of IPsec policies.

### Related ONTAP commands

- `security ipsec policy show`

### Parameters

Name	Type	In	Required	Description
certificate.name	string	query	False	Filter by certificate.name <ul style="list-style-type: none"><li>• Introduced in: 9.10</li></ul>
certificate.uuid	string	query	False	Filter by certificate.uuid <ul style="list-style-type: none"><li>• Introduced in: 9.10</li></ul>
remote_identity	string	query	False	Filter by remote_identity
svm.uuid	string	query	False	Filter by svm.uuid

Name	Type	In	Required	Description
svm.name	string	query	False	Filter by svm.name
protocol	string	query	False	Filter by protocol
scope	string	query	False	Filter by scope
enabled	boolean	query	False	Filter by enabled
authentication_method	string	query	False	Filter by authentication_method  • Introduced in: 9.10
ipSPACE.name	string	query	False	Filter by ipSPACE.name
ipSPACE.uuid	string	query	False	Filter by ipSPACE.uuid
local_identity	string	query	False	Filter by local_identity
name	string	query	False	Filter by name
remote_endpoint.address	string	query	False	Filter by remote_endpoint.address
remote_endpoint.port	string	query	False	Filter by remote_endpoint.port
remote_endpoint.family	string	query	False	Filter by remote_endpoint.family
remote_endpoint.netmask	string	query	False	Filter by remote_endpoint.netmask
local_endpoint.address	string	query	False	Filter by local_endpoint.address

Name	Type	In	Required	Description
local_endpoint.port	string	query	False	Filter by local_endpoint.port
local_endpoint.family	string	query	False	Filter by local_endpoint.family
local_endpoint.netmask	string	query	False	Filter by local_endpoint.netmask
uuid	string	query	False	Filter by uuid
fields	array[string]	query	False	Specify the fields to return.
max_records	integer	query	False	Limit the number of records returned.
return_records	boolean	query	False	The default is true for GET calls. When set to false, only the number of records is returned. <ul style="list-style-type: none"> <li>• Default value: 1</li> </ul>
return_timeout	integer	query	False	The number of seconds to allow the call to execute before returning. When iterating over a collection, the default is 15 seconds. ONTAP returns earlier if either max records or the end of the collection is reached. <ul style="list-style-type: none"> <li>• Default value: 1</li> <li>• Max value: 120</li> <li>• Min value: 0</li> </ul>

Name	Type	In	Required	Description
order_by	array[string]	query	False	Order results by specified fields and optional [asc

## Response

Status: 200, Ok

Name	Type	Description
_links	<a href="#">_links</a>	
error	<a href="#">error</a>	
num_records	integer	Number of records
records	array[ <a href="#">records</a> ]	

## Example response

```
{
  "_links": {
    "next": {
      "href": "/api/resourcelink"
    },
    "self": {
      "href": "/api/resourcelink"
    }
  },
  "error": {
    "arguments": [
      {
        "code": "string",
        "message": "string"
      }
    ],
    "code": "4",
    "message": "entry doesn't exist",
    "target": "uuid"
  },
  "num_records": 1,
  "records": [
    {
      "action": "string",
      "authentication_method": "string",
      "certificate": {
        "_links": {
          "self": {
            "href": "/api/resourcelink"
          }
        },
        "name": "cert1",
        "uuid": "1cd8a442-86d1-11e0-ae1c-123478563412"
      },
      "ipspace": {
        "_links": {
          "self": {
            "href": "/api/resourcelink"
          }
        },
        "name": "exchange",
        "uuid": "1cd8a442-86d1-11e0-ae1c-123478563412"
      },
      "local_endpoint": {
```

```

    "address": "10.10.10.7",
    "family": "string",
    "netmask": "24",
    "port": "23"
  },
  "local_identity": "string",
  "name": "string",
  "protocol": "17",
  "remote_endpoint": {
    "address": "10.10.10.7",
    "family": "string",
    "netmask": "24",
    "port": "23"
  },
  "remote_identity": "string",
  "scope": "string",
  "secret_key": "string",
  "svm": {
    "_links": {
      "self": {
        "href": "/api/resourcelink"
      }
    },
    "name": "svm1",
    "uuid": "02c9e252-41be-11e9-81d5-00a0986138f7"
  },
  "uuid": "1cd8a442-86d1-11e0-ae1c-123478563412"
}
]
}

```

## Error

Status: Default, Error

Name	Type	Description
error	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	

\_links

Name	Type	Description
next	<a href="#">href</a>	
self	<a href="#">href</a>	

error\_arguments

Name	Type	Description
code	string	Argument code
message	string	Message argument

error

Name	Type	Description
arguments	array[ <a href="#">error_arguments</a> ]	Message arguments
code	string	Error code
message	string	Error message
target	string	The target parameter that caused the error.

\_links

Name	Type	Description
self	<a href="#">href</a>	

certificate

Certificate for the IPsec policy.

Name	Type	Description
_links	<a href="#">_links</a>	

Name	Type	Description
name	string	Certificate name
uuid	string	Certificate UUID

#### ipspace

Applies to both SVM and cluster-scoped objects. Either the UUID or name may be supplied on input.

Name	Type	Description
_links	<a href="#">_links</a>	
name	string	IPspace name
uuid	string	IPspace UUID

#### local\_endpoint

Local endpoint for the IPsec policy.

Name	Type	Description
address	string	IPv4 or IPv6 address
family	string	IPv4 or IPv6
netmask	string	Input as netmask length (16) or IPv4 mask (255.255.0.0). For IPv6, the default value is 64 with a valid range of 1 to 127. Output is always netmask length.
port	string	Application port to be covered by the IPsec policy

#### remote\_endpoint

Remote endpoint for the IPsec policy.

Name	Type	Description
address	string	IPv4 or IPv6 address
family	string	IPv4 or IPv6

Name	Type	Description
netmask	string	Input as netmask length (16) or IPv4 mask (255.255.0.0). For IPv6, the default value is 64 with a valid range of 1 to 127. Output is always netmask length.
port	string	Application port to be covered by the IPsec policy

svm

Name	Type	Description
_links	<a href="#">_links</a>	
name	string	The name of the SVM.
uuid	string	The unique identifier of the SVM.

records

IPsec policy object.

Name	Type	Description
action	string	Action for the IPsec policy.
authentication_method	string	Authentication method for the IPsec policy.
certificate	<a href="#">certificate</a>	Certificate for the IPsec policy.
enabled	boolean	Indicates whether or not the policy is enabled.
ipspace	<a href="#">ipspace</a>	Applies to both SVM and cluster-scoped objects. Either the UUID or name may be supplied on input.
local_endpoint	<a href="#">local_endpoint</a>	Local endpoint for the IPsec policy.
local_identity	string	Local Identity
name	string	IPsec policy name.

Name	Type	Description
protocol	string	Lower layer protocol to be covered by the IPsec policy.
remote_endpoint	<a href="#">remote_endpoint</a>	Remote endpoint for the IPsec policy.
remote_identity	string	Remote Identity
scope	string	Set to "svm" for interfaces owned by an SVM. Otherwise, set to "cluster".
secret_key	string	Pre-shared key for IKE negotiation.
svm	<a href="#">svm</a>	
uuid	string	Unique identifier of the IPsec policy.

## Create an IPsec policy

POST /security/ipsec/policies

**Introduced In:** 9.8

Creates an IPsec policy.

### Related ONTAP commands

- `security ipsec policy create`

### Parameters

Name	Type	In	Required	Description
return_records	boolean	query	False	The default is false. If set to true, the records are returned. <ul style="list-style-type: none"> <li>• Default value:</li> </ul>

### Request Body

Name	Type	Description
action	string	Action for the IPsec policy.
authentication_method	string	Authentication method for the IPsec policy.
certificate	<a href="#">certificate</a>	Certificate for the IPsec policy.
enabled	boolean	Indicates whether or not the policy is enabled.
ipspace	<a href="#">ipspace</a>	Applies to both SVM and cluster-scoped objects. Either the UUID or name may be supplied on input.
local_endpoint	<a href="#">local_endpoint</a>	Local endpoint for the IPsec policy.
local_identity	string	Local Identity
name	string	IPsec policy name.
protocol	string	Lower layer protocol to be covered by the IPsec policy.
remote_endpoint	<a href="#">remote_endpoint</a>	Remote endpoint for the IPsec policy.
remote_identity	string	Remote Identity
scope	string	Set to "svm" for interfaces owned by an SVM. Otherwise, set to "cluster".
secret_key	string	Pre-shared key for IKE negotiation.
svm	<a href="#">svm</a>	
uuid	string	Unique identifier of the IPsec policy.

## Example request

```
{
  "action": "string",
  "authentication_method": "string",
  "certificate": {
    "_links": {
      "self": {
        "href": "/api/resourcelink"
      }
    },
    "name": "cert1",
    "uuid": "1cd8a442-86d1-11e0-ae1c-123478563412"
  },
  "ipspace": {
    "_links": {
      "self": {
        "href": "/api/resourcelink"
      }
    },
    "name": "exchange",
    "uuid": "1cd8a442-86d1-11e0-ae1c-123478563412"
  },
  "local_endpoint": {
    "address": "10.10.10.7",
    "family": "string",
    "netmask": "24",
    "port": "23"
  },
  "local_identity": "string",
  "name": "string",
  "protocol": "17",
  "remote_endpoint": {
    "address": "10.10.10.7",
    "family": "string",
    "netmask": "24",
    "port": "23"
  },
  "remote_identity": "string",
  "scope": "string",
  "secret_key": "string",
  "svm": {
    "_links": {
      "self": {
        "href": "/api/resourcelink"
      }
    }
  }
}
```

```
    },
    "name": "svm1",
    "uuid": "02c9e252-41be-11e9-81d5-00a0986138f7"
  },
  "uuid": "1cd8a442-86d1-11e0-ae1c-123478563412"
}
```

## Response

Status: 201, Created

Name	Type	Description
_links	<a href="#">_links</a>	
error	<a href="#">error</a>	
num_records	integer	Number of records
records	array[ <a href="#">records</a> ]	



## Example response

```
{
  "_links": {
    "next": {
      "href": "/api/resourcelink"
    },
    "self": {
      "href": "/api/resourcelink"
    }
  },
  "error": {
    "arguments": [
      {
        "code": "string",
        "message": "string"
      }
    ],
    "code": "4",
    "message": "entry doesn't exist",
    "target": "uuid"
  },
  "num_records": 1,
  "records": [
    {
      "action": "string",
      "authentication_method": "string",
      "certificate": {
        "_links": {
          "self": {
            "href": "/api/resourcelink"
          }
        },
        "name": "cert1",
        "uuid": "1cd8a442-86d1-11e0-ae1c-123478563412"
      },
      "ipspace": {
        "_links": {
          "self": {
            "href": "/api/resourcelink"
          }
        },
        "name": "exchange",
        "uuid": "1cd8a442-86d1-11e0-ae1c-123478563412"
      },
      "local_endpoint": {
```

```

    "address": "10.10.10.7",
    "family": "string",
    "netmask": "24",
    "port": "23"
  },
  "local_identity": "string",
  "name": "string",
  "protocol": "17",
  "remote_endpoint": {
    "address": "10.10.10.7",
    "family": "string",
    "netmask": "24",
    "port": "23"
  },
  "remote_identity": "string",
  "scope": "string",
  "secret_key": "string",
  "svm": {
    "_links": {
      "self": {
        "href": "/api/resourcelink"
      }
    },
    "name": "svm1",
    "uuid": "02c9e252-41be-11e9-81d5-00a0986138f7"
  },
  "uuid": "1cd8a442-86d1-11e0-ae1c-123478563412"
}
]
}

```

## Error

Status: Default

### ONTAP Error Response Codes

Error Code	Description
66257099	Only one protocol can be specified.
66257100	Only one local port can be specified.
66257101	Only one remote port can be specified.

Error Code	Description
66257104	IPsec policy with same name already exists in this SVM.
66257107	The specified pre-shared key is not a valid hexadecimal string.
66257109	The specified pre-shared key is not a valid Base64 encoded binary string.
66257110	Failed to a create policy sequencing value.
66257111	The IPsec policy with action ESP TRANSPORT provides packet protection and requires a secret key or certificate for authentication.
66257112	The IPsec policy with the action specified does not provide packet protection and the authentication method provided for the policy will be ignored.
66257113	Only one local IP subnet can be specified.
66257114	Only one remote IP subnet can be specified.
66257115	Port ranges containing more than one port are not supported.
66257117	IPsec is not supported on the SVM specified in the policy, IPsec is supported on data SVMs only.
66257120	The subnet selector must be a host address (An IPv4 address with a 32-bit netmask or an IPv6 address with a 128-bit netmask).
66257121	The maximum limit of IPsec Policies has reached for the specified SVM.
66257125	The local_endpoint.address must be specified with local_endpoint.netmask.
66257126	The remote_endpoint.address must be specified with remote_endpoint.netmask.
66257132	Invalid value for port field. Value should be in range <1-65535>.
66257133	A pre-shared key is needed for the PSK authentication method. Use the secret_key option to specify a key.
66257134	An end-entity certificate is needed for the PKI authentication method. Use the certificate.uuid option to specify an end-entity certificate.
66257137	A pre-shared key is not needed for the PKI authentication method.
66257139	Certificate with the specified UUID was not found.
66257140	Only certificates with a client or server type are supported.

Name	Type	Description
error	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	

\_links

Name	Type	Description
self	<a href="#">href</a>	

certificate

Certificate for the IPsec policy.

Name	Type	Description
_links	<a href="#">_links</a>	
name	string	Certificate name
uuid	string	Certificate UUID

ipspace

Applies to both SVM and cluster-scoped objects. Either the UUID or name may be supplied on input.

Name	Type	Description
_links	<a href="#">_links</a>	
name	string	IPspace name
uuid	string	IPspace UUID

local\_endpoint

Local endpoint for the IPsec policy.

Name	Type	Description
address	string	IPv4 or IPv6 address
family	string	IPv4 or IPv6

Name	Type	Description
netmask	string	Input as netmask length (16) or IPv4 mask (255.255.0.0). For IPv6, the default value is 64 with a valid range of 1 to 127. Output is always netmask length.
port	string	Application port to be covered by the IPsec policy

remote\_endpoint

Remote endpoint for the IPsec policy.

Name	Type	Description
address	string	IPv4 or IPv6 address
family	string	IPv4 or IPv6
netmask	string	Input as netmask length (16) or IPv4 mask (255.255.0.0). For IPv6, the default value is 64 with a valid range of 1 to 127. Output is always netmask length.
port	string	Application port to be covered by the IPsec policy

svm

Name	Type	Description
<a href="#">_links</a>	<a href="#">_links</a>	
name	string	The name of the SVM.
uuid	string	The unique identifier of the SVM.

ipsec\_policy

IPsec policy object.

Name	Type	Description
action	string	Action for the IPsec policy.

Name	Type	Description
authentication_method	string	Authentication method for the IPsec policy.
certificate	<a href="#">certificate</a>	Certificate for the IPsec policy.
enabled	boolean	Indicates whether or not the policy is enabled.
ipspace	<a href="#">ipspace</a>	Applies to both SVM and cluster-scoped objects. Either the UUID or name may be supplied on input.
local_endpoint	<a href="#">local_endpoint</a>	Local endpoint for the IPsec policy.
local_identity	string	Local Identity
name	string	IPsec policy name.
protocol	string	Lower layer protocol to be covered by the IPsec policy.
remote_endpoint	<a href="#">remote_endpoint</a>	Remote endpoint for the IPsec policy.
remote_identity	string	Remote Identity
scope	string	Set to "svm" for interfaces owned by an SVM. Otherwise, set to "cluster".
secret_key	string	Pre-shared key for IKE negotiation.
svm	<a href="#">svm</a>	
uuid	string	Unique identifier of the IPsec policy.

#### \_links

Name	Type	Description
next	<a href="#">href</a>	
self	<a href="#">href</a>	

## error\_arguments

Name	Type	Description
code	string	Argument code
message	string	Message argument

## error

Name	Type	Description
arguments	array[ <a href="#">error_arguments</a> ]	Message arguments
code	string	Error code
message	string	Error message
target	string	The target parameter that caused the error.

## records

IPsec policy object.

Name	Type	Description
action	string	Action for the IPsec policy.
authentication_method	string	Authentication method for the IPsec policy.
certificate	<a href="#">certificate</a>	Certificate for the IPsec policy.
enabled	boolean	Indicates whether or not the policy is enabled.
ipspace	<a href="#">ipspace</a>	Applies to both SVM and cluster-scoped objects. Either the UUID or name may be supplied on input.
local_endpoint	<a href="#">local_endpoint</a>	Local endpoint for the IPsec policy.
local_identity	string	Local Identity



Name	Type	Description
name	string	IPsec policy name.
protocol	string	Lower layer protocol to be covered by the IPsec policy.
remote_endpoint	<a href="#">remote_endpoint</a>	Remote endpoint for the IPsec policy.
remote_identity	string	Remote Identity
scope	string	Set to "svm" for interfaces owned by an SVM. Otherwise, set to "cluster".
secret_key	string	Pre-shared key for IKE negotiation.
svm	<a href="#">svm</a>	
uuid	string	Unique identifier of the IPsec policy.

## Delete an IPsec policy

DELETE /security/ipsec/policies/{uuid}

**Introduced In:** 9.8

Deletes a specific IPsec policy.

### Related ONTAP commands

- `security ipsec policy delete`

### Parameters

Name	Type	In	Required	Description
uuid	string	path	True	IPsec policy UUID

### Response

Status: 200, Ok

## Error

Status: Default

### ONTAP Error Response Codes

Error Code	Description
66257096	Internal error. Failed to purge connections associated with the IPsec policy.
66257116	IPsec policy with the specified UUID was not found.

Name	Type	Description
error	<a href="#">error</a>	

### Example error

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

## Definitions

## See Definitions

error\_arguments

Name	Type	Description
code	string	Argument code
message	string	Message argument

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.

## Retrieve an IPsec policy

GET /security/ipsec/policies/{uuid}

**Introduced In:** 9.8

Retrieves a specific IPsec policy.

### Related ONTAP commands

- `security ipsec policy show`

### Parameters

Name	Type	In	Required	Description
uuid	string	path	True	IPsec policy UUID
fields	array[string]	query	False	Specify the fields to return.

### Response

Status: 200, Ok

Name	Type	Description
action	string	Action for the IPsec policy.
authentication_method	string	Authentication method for the IPsec policy.
certificate	<a href="#">certificate</a>	Certificate for the IPsec policy.
enabled	boolean	Indicates whether or not the policy is enabled.
ipspace	<a href="#">ipspace</a>	Applies to both SVM and cluster-scoped objects. Either the UUID or name may be supplied on input.
local_endpoint	<a href="#">local_endpoint</a>	Local endpoint for the IPsec policy.
local_identity	string	Local Identity
name	string	IPsec policy name.
protocol	string	Lower layer protocol to be covered by the IPsec policy.
remote_endpoint	<a href="#">remote_endpoint</a>	Remote endpoint for the IPsec policy.
remote_identity	string	Remote Identity
scope	string	Set to "svm" for interfaces owned by an SVM. Otherwise, set to "cluster".
secret_key	string	Pre-shared key for IKE negotiation.
svm	<a href="#">svm</a>	
uuid	string	Unique identifier of the IPsec policy.

## Example response

```
{
  "action": "string",
  "authentication_method": "string",
  "certificate": {
    "_links": {
      "self": {
        "href": "/api/resourcelink"
      }
    },
    "name": "cert1",
    "uuid": "1cd8a442-86d1-11e0-ae1c-123478563412"
  },
  "ipspace": {
    "_links": {
      "self": {
        "href": "/api/resourcelink"
      }
    },
    "name": "exchange",
    "uuid": "1cd8a442-86d1-11e0-ae1c-123478563412"
  },
  "local_endpoint": {
    "address": "10.10.10.7",
    "family": "string",
    "netmask": "24",
    "port": "23"
  },
  "local_identity": "string",
  "name": "string",
  "protocol": "17",
  "remote_endpoint": {
    "address": "10.10.10.7",
    "family": "string",
    "netmask": "24",
    "port": "23"
  },
  "remote_identity": "string",
  "scope": "string",
  "secret_key": "string",
  "svm": {
    "_links": {
      "self": {
        "href": "/api/resourcelink"
      }
    }
  }
}
```

```
    },
    "name": "svm1",
    "uuid": "02c9e252-41be-11e9-81d5-00a0986138f7"
  },
  "uuid": "1cd8a442-86d1-11e0-ae1c-123478563412"
}
```

## Error

Status: Default

### ONTAP Error Response Codes

Error Code	Description
66257116	IPsec policy with the specified UUID was not found.

Name	Type	Description
error	<a href="#">error</a>	

### 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	

\_links

Name	Type	Description
self	<a href="#">href</a>	

certificate

Certificate for the IPsec policy.

Name	Type	Description
_links	<a href="#">_links</a>	
name	string	Certificate name
uuid	string	Certificate UUID

ipspace

Applies to both SVM and cluster-scoped objects. Either the UUID or name may be supplied on input.

Name	Type	Description
_links	<a href="#">_links</a>	
name	string	IPspace name
uuid	string	IPspace UUID

local\_endpoint

Local endpoint for the IPsec policy.

Name	Type	Description
address	string	IPv4 or IPv6 address
family	string	IPv4 or IPv6

Name	Type	Description
netmask	string	Input as netmask length (16) or IPv4 mask (255.255.0.0). For IPv6, the default value is 64 with a valid range of 1 to 127. Output is always netmask length.
port	string	Application port to be covered by the IPsec policy

remote\_endpoint

Remote endpoint for the IPsec policy.

Name	Type	Description
address	string	IPv4 or IPv6 address
family	string	IPv4 or IPv6
netmask	string	Input as netmask length (16) or IPv4 mask (255.255.0.0). For IPv6, the default value is 64 with a valid range of 1 to 127. Output is always netmask length.
port	string	Application port to be covered by the IPsec policy

svm

Name	Type	Description
_links	<a href="#">_links</a>	
name	string	The name of the SVM.
uuid	string	The unique identifier of the SVM.

error\_arguments

Name	Type	Description
code	string	Argument code
message	string	Message argument

error



Name	Type	Description
arguments	array[ <a href="#">error_arguments</a> ]	Message arguments
code	string	Error code
message	string	Error message
target	string	The target parameter that caused the error.

## Update an IPsec policy

PATCH /security/ipsec/policies/{uuid}

Introduced In: 9.8

Updates a specific IPsec policy.

### Related ONTAP commands

- `security ipsec policy modify`

### Parameters

Name	Type	In	Required	Description
uuid	string	path	True	IPsec policy UUID

### Request Body

Name	Type	Description
action	string	Action for the IPsec policy.
authentication_method	string	Authentication method for the IPsec policy.
certificate	<a href="#">certificate</a>	Certificate for the IPsec policy.
enabled	boolean	Indicates whether or not the policy is enabled.
ipspace	<a href="#">ipspace</a>	Applies to both SVM and cluster-scoped objects. Either the UUID or name may be supplied on input.

Name	Type	Description
local_endpoint	<a href="#">local_endpoint</a>	Local endpoint for the IPsec policy.
local_identity	string	Local Identity
name	string	IPsec policy name.
protocol	string	Lower layer protocol to be covered by the IPsec policy.
remote_endpoint	<a href="#">remote_endpoint</a>	Remote endpoint for the IPsec policy.
remote_identity	string	Remote Identity
scope	string	Set to "svm" for interfaces owned by an SVM. Otherwise, set to "cluster".
secret_key	string	Pre-shared key for IKE negotiation.
svm	<a href="#">svm</a>	
uuid	string	Unique identifier of the IPsec policy.

## Example request

```
{
  "action": "string",
  "authentication_method": "string",
  "certificate": {
    "_links": {
      "self": {
        "href": "/api/resourcelink"
      }
    },
    "name": "cert1",
    "uuid": "1cd8a442-86d1-11e0-ae1c-123478563412"
  },
  "ipspace": {
    "_links": {
      "self": {
        "href": "/api/resourcelink"
      }
    },
    "name": "exchange",
    "uuid": "1cd8a442-86d1-11e0-ae1c-123478563412"
  },
  "local_endpoint": {
    "address": "10.10.10.7",
    "family": "string",
    "netmask": "24",
    "port": "23"
  },
  "local_identity": "string",
  "name": "string",
  "protocol": "17",
  "remote_endpoint": {
    "address": "10.10.10.7",
    "family": "string",
    "netmask": "24",
    "port": "23"
  },
  "remote_identity": "string",
  "scope": "string",
  "secret_key": "string",
  "svm": {
    "_links": {
      "self": {
        "href": "/api/resourcelink"
      }
    }
  }
}
```

```

    },
    "name": "svm1",
    "uuid": "02c9e252-41be-11e9-81d5-00a0986138f7"
  },
  "uuid": "1cd8a442-86d1-11e0-ae1c-123478563412"
}

```

## Response

Status: 200, Ok

## Error

Status: Default

### ONTAP Error Response Codes

Error Code	Description
66257097	Internal error. Failed to update the IPsec policy.
66257099	Only one protocol can be specified.
66257100	Only one local port can be specified.
66257101	Only one remote port can be specified.
66257110	Failed to create a policy sequencing value.
66257113	Only one local IP subnet can be specified.
66257114	Only one remote IP subnet can be specified.
66257115	Port ranges containing more than one port are not supported.
66257116	IPsec policy with the specified UUID was not found.
66257120	The subnet selector must be a host address (An IPv4 address with a 32-bit netmask or an IPv6 address with a 128-bit netmask).
66257139	Certificate with the specified UUID was not found.
66257140	Only certificates with a client or server type are supported.

Name	Type	Description
error	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	

\_links

Name	Type	Description
self	<a href="#">href</a>	

certificate

Certificate for the IPsec policy.

Name	Type	Description
_links	<a href="#">_links</a>	
name	string	Certificate name
uuid	string	Certificate UUID

ipspace

Applies to both SVM and cluster-scoped objects. Either the UUID or name may be supplied on input.

Name	Type	Description
_links	<a href="#">_links</a>	
name	string	IPspace name
uuid	string	IPspace UUID

local\_endpoint

Local endpoint for the IPsec policy.

Name	Type	Description
address	string	IPv4 or IPv6 address
family	string	IPv4 or IPv6

Name	Type	Description
netmask	string	Input as netmask length (16) or IPv4 mask (255.255.0.0). For IPv6, the default value is 64 with a valid range of 1 to 127. Output is always netmask length.
port	string	Application port to be covered by the IPsec policy

remote\_endpoint

Remote endpoint for the IPsec policy.

Name	Type	Description
address	string	IPv4 or IPv6 address
family	string	IPv4 or IPv6
netmask	string	Input as netmask length (16) or IPv4 mask (255.255.0.0). For IPv6, the default value is 64 with a valid range of 1 to 127. Output is always netmask length.
port	string	Application port to be covered by the IPsec policy

svm

Name	Type	Description
<a href="#">_links</a>	<a href="#">_links</a>	
name	string	The name of the SVM.
uuid	string	The unique identifier of the SVM.

ipsec\_policy

IPsec policy object.

Name	Type	Description
action	string	Action for the IPsec policy.

Name	Type	Description
authentication_method	string	Authentication method for the IPsec policy.
certificate	<a href="#">certificate</a>	Certificate for the IPsec policy.
enabled	boolean	Indicates whether or not the policy is enabled.
ipspace	<a href="#">ipspace</a>	Applies to both SVM and cluster-scoped objects. Either the UUID or name may be supplied on input.
local_endpoint	<a href="#">local_endpoint</a>	Local endpoint for the IPsec policy.
local_identity	string	Local Identity
name	string	IPsec policy name.
protocol	string	Lower layer protocol to be covered by the IPsec policy.
remote_endpoint	<a href="#">remote_endpoint</a>	Remote endpoint for the IPsec policy.
remote_identity	string	Remote Identity
scope	string	Set to "svm" for interfaces owned by an SVM. Otherwise, set to "cluster".
secret_key	string	Pre-shared key for IKE negotiation.
svm	<a href="#">svm</a>	
uuid	string	Unique identifier of the IPsec policy.

#### error\_arguments

Name	Type	Description
code	string	Argument code



Name	Type	Description
message	string	Message argument

error

Name	Type	Description
arguments	array[ <a href="#">error_arguments</a> ]	Message arguments
code	string	Error code
message	string	Error message
target	string	The target parameter that caused the error.

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