



Manage cluster network security certificates

REST API reference

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Manage cluster network security certificates

Manage cluster network security certificates

Overview

You can use the security cluster-network certificate API endpoints to view and modify the certificate configuration for cluster network security. The following operations are supported:

- GET to retrieve the certificate configuration for cluster network security: GET security/cluster-network/certificate
- PATCH to update the certificate configuration for cluster network security for a given node: PATCH security/cluster-network/certificate
- POST to specify the certificate configuration for cluster network security for a given node: POST security/cluster-network/certificate
- DELETE to remove the certificate configuration for cluster network security for a given node: DELETE security/cluster-network/certificate

Retrieve cluster network security certificate configuration

GET /security/cluster-network/certificates

Introduced In: 9.18

Retrieves the certificate configuration used for cluster network security.

Related ONTAP commands

- 'security cluster-network certificate show'

Parameters

Name	Type	In	Required	Description
node.name	string	query	False	Filter by node.name
node.uuid	string	query	False	Filter by node.uuid
certificate.name	string	query	False	Filter by certificate.name
certificate.uuid	string	query	False	Filter by certificate.uuid
fields	array[string]	query	False	Specify the fields to return.

Name	Type	In	Required	Description
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. • Default value: 1
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. • Default value: 15 • Max value: 120 • Min value: 0
order_by	array[string]	query	False	Order results by specified fields and optional [asc

Response

Status: 200, Ok

Name	Type	Description
_links	_links	
num_records	integer	Number of records.
records	array[records]	

Example response

```
{
  "_links": {
    "next": {
      "href": "/api/resourcelink"
    },
    "self": {
      "href": "/api/resourcelink"
    }
  },
  "num_records": 1,
  "records": [
    {
      "_links": {
        "self": {
          "href": "/api/resourcelink"
        }
      },
      "certificate": {
        "_links": {
          "self": {
            "href": "/api/resourcelink"
          }
        },
        "name": "string",
        "uuid": "1cd8a442-86d1-11e0-ae1c-123478563412"
      },
      "node": {
        "_links": {
          "self": {
            "href": "/api/resourcelink"
          }
        },
        "name": "node1",
        "uuid": "1cd8a442-86d1-11e0-ae1c-123478563412"
      }
    }
  ]
}
```

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	

_links

Name	Type	Description
next	href	
self	href	

_links

Name	Type	Description
self	href	

security_certificate_reference

Security certificate object reference

Name	Type	Description
_links	_links	
name	string	Certificate name
uuid	string	Certificate UUID

node_reference

Name	Type	Description
_links	_links	
name	string	
uuid	string	

records

Manages the cluster network security certificate configuration.

Name	Type	Description
_links	_links	
certificate	security_certificate_reference	Security certificate object reference

Name	Type	Description
node	node_reference	

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.

Create a cluster network security certificate configuration

POST /security/cluster-network/certificates

Introduced In: 9.18

Specifies the certificate configuration for cluster network security for a given node.

Required properties

- 'node' - The node to which the certificate will be assigned.
- 'name' - The certificate name.

Related ONTAP commands

- 'security cluster-network certificate create'

Parameters

Name	Type	In	Required	Description
return_records	boolean	query	False	The default is false. If set to true, the records are returned. • Default value:

Request Body

Name	Type	Description
certificate	security_certificate_reference	Security certificate object reference
node	node_reference	

Example request

```
{
  "certificate": {
    "name": "string",
    "uuid": "1cd8a442-86d1-11e0-ae1c-123478563412"
  },
  "node": {
    "name": "node1",
    "uuid": "1cd8a442-86d1-11e0-ae1c-123478563412"
  }
}
```

Response

Status: 201, Created

Name	Type	Description
certificate	security_certificate_reference	Security certificate object reference
node	node_reference	

Example response

```
{
  "certificate": {
    "name": "string",
    "uuid": "1cd8a442-86d1-11e0-ae1c-123478563412"
  },
  "node": {
    "name": "node1",
    "uuid": "1cd8a442-86d1-11e0-ae1c-123478563412"
  }
}
```

Headers

Name	Description	Type
Location	Useful for tracking the resource location	string

Error

Status: Default

ONTAP Error Response Codes

Error Code	Description
70320128	Modifying the cluster network security configuration requires an effective cluster version of ONTAP 9.18.1 or later.
70320132	The cluster has an out of quorum node, wait until all nodes are in quorum before modifying the cluster network security configuration.
70320137	The specified certificate was not found on the admin SVM

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	

_links

security_certificate_reference

Security certificate object reference

Name	Type	Description
name	string	Certificate name
uuid	string	Certificate UUID

node_reference

Name	Type	Description
name	string	
uuid	string	

security_cluster_network_certificates

Manages the cluster network security certificate configuration.

Name	Type	Description
certificate	security_certificate_reference	Security certificate object reference
node	node_reference	

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.

Delete a cluster network security certificate configuration

DELETE /security/cluster-network/certificates/{node.uuid}

Introduced In: 9.18

Deletes the certificate configuration for cluster network security for a given node.

Required properties

- `node`: Node UUID

Related ONTAP commands

- 'security cluster-network certificate delete'

Parameters

Name	Type	In	Required	Description
node.uuid	string	path	True	Node UUID.

Response

Status: 200, Ok

Name	Type	Description
_links	_links	
certificate	security_certificate_reference	Security certificate object reference
node	node_reference	

Example response

```
{
  "_links": {
    "self": {
      "href": "/api/resourcelink"
    }
  },
  "certificate": {
    "_links": {
      "self": {
        "href": "/api/resourcelink"
      }
    },
    "name": "string",
    "uuid": "1cd8a442-86d1-11e0-ae1c-123478563412"
  },
  "node": {
    "_links": {
      "self": {
        "href": "/api/resourcelink"
      }
    },
    "name": "node1",
    "uuid": "1cd8a442-86d1-11e0-ae1c-123478563412"
  }
}
```

Error

Status: Default

ONTAP Error Response Codes

Error Code	Description
70320128	Modifying the cluster network security configuration requires an effective cluster version of ONTAP 9.18.1 or later.
70320132	The cluster has an out of quorum node, wait until all nodes are in quorum before modifying the cluster network security configuration.
70320137	The specified certificate was not found on the admin SVM

Error Code	Description
70320150	The certificate table is currently in use. Removing a certificate entry is not allowed.

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	

_links

Name	Type	Description
self	href	

security_certificate_reference

Security certificate object reference

Name	Type	Description
_links	_links	
name	string	Certificate name
uuid	string	Certificate UUID

node_reference

Name	Type	Description
_links	_links	
name	string	
uuid	string	

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

Name	Type	Description
message	string	Error message
target	string	The target parameter that caused the error.

Retrieve cluster network security certificate configuration for a node

GET /security/cluster-network/certificates/{node.uuid}

Introduced In: 9.18

Retrieves the certificate configuration for cluster network security for a given node.

Related ONTAP commands

- 'security cluster-network certificate show'

Parameters

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

Response

Status: 200, Ok

Name	Type	Description
_links	_links	
certificate	security_certificate_reference	Security certificate object reference
node	node_reference	

Example response

```
{
  "_links": {
    "self": {
      "href": "/api/resourcelink"
    }
  },
  "certificate": {
    "_links": {
      "self": {
        "href": "/api/resourcelink"
      }
    },
    "name": "string",
    "uuid": "1cd8a442-86d1-11e0-ae1c-123478563412"
  },
  "node": {
    "_links": {
      "self": {
        "href": "/api/resourcelink"
      }
    },
    "name": "node1",
    "uuid": "1cd8a442-86d1-11e0-ae1c-123478563412"
  }
}
```

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	

_links

Name	Type	Description
self	href	

security_certificate_reference

Security certificate object reference

Name	Type	Description
_links	_links	
name	string	Certificate name
uuid	string	Certificate UUID

node_reference

Name	Type	Description
_links	_links	
name	string	
uuid	string	

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

Name	Type	Description
message	string	Error message
target	string	The target parameter that caused the error.

Update a cluster network security certificate configuration

PATCH /security/cluster-network/certificates/{node.uuid}

Introduced In: 9.18

Updates the certificate configuration for cluster network security for a given node.

Required properties

- `node`: Node UUID

Related ONTAP commands

- 'security cluster-network certificate modify'

Parameters

Name	Type	In	Required	Description
node.uuid	string	path	True	Node UUID.

Request Body

Name	Type	Description
certificate	security_certificate_reference	Security certificate object reference
node	node_reference	

Example request

```
{
  "certificate": {
    "name": "string",
    "uuid": "1cd8a442-86d1-11e0-ae1c-123478563412"
  },
  "node": {
    "name": "node1",
    "uuid": "1cd8a442-86d1-11e0-ae1c-123478563412"
  }
}
```

Response

Status: 200, Ok

Error

Status: Default

ONTAP Error Response Codes

Error Code	Description
70320128	Modifying the cluster network security configuration requires an effective cluster version of ONTAP 9.18.1 or later.
70320132	The cluster has an out of quorum node, wait until all nodes are in quorum before modifying the cluster network security configuration.
70320137	The specified certificate was not found on the admin SVM
70320138	The certificate table is currently in use. Removing a certificate entry is not allowed.

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	

_links

security_certificate_reference

Security certificate object reference

Name	Type	Description
name	string	Certificate name
uuid	string	Certificate UUID

node_reference

Name	Type	Description
name	string	
uuid	string	

security_cluster_network_certificates

Manages the cluster network security certificate configuration.

Name	Type	Description
certificate	security_certificate_reference	Security certificate object reference
node	node_reference	

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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