



Web services security configuration

ONTAP 9.12.1 REST API reference

NetApp

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Web services security configuration

SVM svms svm.uuid web endpoint overview

You can use this API to update and retrieve the web services security configuration for each data SVM.

Updating the web services security configuration

The following fields can be used to update the web services security configuration:

- `certificate.uuid`
- `client_enabled`
- `ocsp_enabled` When updating the certificate, the certificate UUID of an existing certificate known to ONTAP must be provided. The certificate must be of type "server".

A "client-ca" certificate must be installed on ONTAP to enable "client_enabled".

Examples

Retrieving the web services security configuration

```
# API:
GET /api/svm/svms/{svm.uuid}/web

# The call:
curl -X GET "https://<mgmt-ip>/api/svm/svms/3c1b259d-5789-a2eb-9301-10705682b34f/web" -H "accept: application/hal+json"

# The response:
{
  "svm": {
    "uuid": "3c1b259d-5789-a2eb-9301-10705682b34f",
    "name": "svm2",
    "_links": {
      "self": {
        "href": "/api/svm/svms/3c1b259d-5789-a2eb-9301-10705682b34f"
      }
    }
  },
  "certificate": {
    "uuid": "a3bb219d-4382-1fe0-9c06-1070568ea23d",
    "name": "cert1",
    "_links": {
      "self": {
        "href": "/api/security/certificates/a3bb219d-4382-1fe0-9c06-1070568ea23d"
      }
    }
  },
  "client_enabled": false,
  "ocsp_enabled": false,
  "_links": {
    "self": {
      "href": "/api/svm/svms/3c1b259d-5789-a2eb-9301-10705682b34f/web"
    }
  }
}
```

Updating the web services security configuration

```
# The API:
PATCH /api/svm/svms/{svm.uuid}/web

# The call:
curl -X PATCH "https://<mgmt-ip>/api/svm/svms/3c1b259d-5789-a2eb-9301-10705682b34f/web" -d '{ "certificate": {"uuid": "56da2799-13bc-2ae4-0c16-0c71244ea2ca" } }' -H "accept: application/hal+json"

# The response:
HTTP/1.1 202 Accepted
Date: Fri, 28 May 2021 09:36:43 GMT
Server: libzapid-httpd
Cache-Control: no-cache,no-store,must-revalidate
Content-Length: 189
Content-Type: application/hal+json
```

Retrieve the web services security configuration

GET /svm/svms/{svm.uuid}/web

Introduced In: 9.10

Retrieves the web services security configuration.

Parameters

Name	Type	In	Required	Description
fields	array[string]	query	False	Specify the fields to return.
svm.uuid	string	path	True	UUID of the SVM to which this object belongs.

Response

Status: 200, Ok

Name	Type	Description
_links	_links	

Name	Type	Description
certificate	certificate	Certificate used by cluster and node management interfaces for TLS connection requests.
client_enabled	boolean	Indicates whether client authentication is enabled.
ocsp_enabled	boolean	Indicates whether online certificate status protocol verification is enabled.
svm	svm	

Example response

```
{
  "_links": {
    "self": {
      "href": "/api/resourcelink"
    }
  },
  "certificate": {
    "_links": {
      "self": {
        "href": "/api/resourcelink"
      }
    },
    "name": "cert1",
    "uuid": "1cd8a442-86d1-11e0-ae1c-123478563412"
  },
  "svm": {
    "_links": {
      "self": {
        "href": "/api/resourcelink"
      }
    },
    "name": "svm1",
    "uuid": "02c9e252-41be-11e9-81d5-00a0986138f7"
  }
}
```

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
self	href	

certificate

Certificate used by cluster and node management interfaces for TLS connection requests.

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

svm

Name	Type	Description
_links	_links	
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[error_arguments]	Message arguments

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

Update the web services security configuration

PATCH /svm/svms/{svm.uuid}/web

Introduced In: 9.10

Updates the web services security configuration.

Parameters

Name	Type	In	Required	Description
return_timeout	integer	query	False	<p>The number of seconds to allow the call to execute before returning. When doing a POST, PATCH, or DELETE operation on a single record, the default is 0 seconds. This means that if an asynchronous operation is started, the server immediately returns HTTP code 202 (Accepted) along with a link to the job. If a non-zero value is specified for POST, PATCH, or DELETE operations, ONTAP waits that length of time to see if the job completes so it can return something other than 202.</p> <ul style="list-style-type: none"> • Default value: 1 • Max value: 120 • Min value: 0
svm.uuid	string	path	True	UUID of the SVM to which this object belongs.

Request Body

Name	Type	Description
_links	_links	
certificate	certificate	Certificate used by cluster and node management interfaces for TLS connection requests.
client_enabled	boolean	Indicates whether client authentication is enabled.

Name	Type	Description
ocsp_enabled	boolean	Indicates whether online certificate status protocol verification is enabled.
svm	svm	

Example request

```
{
  "_links": {
    "self": {
      "href": "/api/resourcelink"
    }
  },
  "certificate": {
    "_links": {
      "self": {
        "href": "/api/resourcelink"
      }
    },
    "name": "cert1",
    "uuid": "1cd8a442-86d1-11e0-ae1c-123478563412"
  },
  "svm": {
    "_links": {
      "self": {
        "href": "/api/resourcelink"
      }
    },
    "name": "svm1",
    "uuid": "02c9e252-41be-11e9-81d5-00a0986138f7"
  }
}
```

Response

Status: 200, Ok

Response

Status: 202, Accepted

Error

Status: Default

ONTAP Error Response Codes

Error Code	Description
9830442	Client authentication cannot be enabled without a client ca certificate.
9830488	The certificate is not a "server" certificate.
9830489	The certificate does not exist for the given SVM.

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	href	

certificate

Certificate used by cluster and node management interfaces for TLS connection requests.

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

svm

Name	Type	Description
_links	_links	
name	string	The name of the SVM.
uuid	string	The unique identifier of the SVM.

web_svm

Name	Type	Description
_links	_links	
certificate	certificate	Certificate used by cluster and node management interfaces for TLS connection requests.
client_enabled	boolean	Indicates whether client authentication is enabled.

Name	Type	Description
ocsp_enabled	boolean	Indicates whether online certificate status protocol verification is enabled.
svm	svm	

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.

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