



Web services security configuration

ONTAP 9.11.1 REST API reference

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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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