Manage TOTP profiles

REST API reference

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Manage TOTP profiles

Manage TOTP profiles

Overview

This API configures the TOTP profile for user accounts. Specify the owner UUID and the account user name. The owner UUID corresponds to the UUID of the SVM containing the user account associated with the TOTP profile and can be obtained from the response body of the GET request performed on the API "`/api/svm/svms".

Examples

Retrieving the specific configured TOTP profile for user accounts

```
# The API:
GET "/api/security/login/totps/{owner.uuid}/{account.name}"

# The call:
curl -k https://<mgmt-ip>/api/security/login/totps/513a78c7-8c13-11e9-
8f78-005056bbf6ac/pubuser4

# the response:
{
"owner": {
    "uuid": "b009a9e7-4081-b576-7575-ada21efcaf16",
    "name": "Default",
  "_links": {
    "self": {
      "href": "/api/svm/svms/b009a9e7-4081-b576-7575-ada21efcaf16"
    }
  }
},
"account": {
  "name": "pubuser2",
  "_links": {
    "self": {
      "href": "/api/security/accounts/b009a9e7-4081-b576-7575-
ada21efcaf16/pubuser2"
    }
  }
},
"sha_fingerprint":
"21364f5417600e3d9d6a7ac6c05dd244aed9f15dce6786a2c89399a41ff0fdb0",
"scope": "cluster",
"_links": {
  "self": {
    "href": "/api/security/login/totps/b009a9e7-4081-b576-7575-
ada21efcaf16/pubuser2"
  }
}
}
```

Modifying the TOTP profile for a user account

```
# The API:
PATCH "/api/security/login/totps/{owner.uuid}/{account.name}"

# The call:
curl -k "https://<mgmt-ip>/api/security/login/totps/6865196a-8b59-11ed-
874c-0050568e36ed/ysadmin" --request PATCH --data "{  \"comment\":
\"Testing\",  \"enabled\": false}"

# the response:
{}
```

Deleting the TOTP profile for user accounts

```
# The API:
DELETE "/api/security/login/totps/{owner.uuid}/{account.name}"

# The call:
curl -k https://<mgmt-ip>/api/security/login/totps/d49de271-8c11-11e9-
8f78-005056bbf6ac/pubuser1 --request DELETE

# the response:
{}
```

Delete the TOTP profile for a user account

DELETE `/security/login/totps/{owner.uuid}/{account.name}`

Introduced In: 9.13

Deletes the TOTP profile for a user account.

Related ONTAP commands

- `security login totp delete`

Learn more

- DOC /security/login/totps/{owner.uuid}/{account.name}
- DOC /security/accounts

Parameters

Name	Type	In	Required	Description
owner.uuid	string	path	True	Account owner UUID.
account.name	string	path	True	Account user name.

Response

```
Status: 200, Ok
```

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

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.

Retrieve the TOTP profile for a user account

GET `/security/login/totps/{owner.uuid}/{account.name}`

Introduced In: 9.13

Retrieves the TOTP profile configured for a user account.

Related ONTAP commands

- `security login totp show`

Learn more

- DOC /security/login/totps/{owner.uuid}/{account.name}
- DOC /security/accounts

Parameters

Name	Type	In	Required	Description
owner.uuid	string	path	True	Account owner UUID.

Name	Type	In	Required	Description
account.name	string	path	True	Account user name.
fields	array[string]	query	False	Specify the fields to return.

Response

```
Status: 200, Ok
```

Name	Type	Description
_links	_links	
account	account_reference	
comment	string	Optional comment for the TOTP profile.
enabled	boolean	Status of the TOTP profile.
owner	owner	Owner name and UUID that uniquely identifies the TOTP profile.
scope	string	Scope of the entity. Set to "cluster" for cluster owned objects and to "svm" for SVM owned objects.
sha_fingerprint	string	SHA fingerprint for the TOTP secret key.

Example response


```
{
  "_links": {
    "self": {
      "href": "/api/resourcelink"
    }
  },
  "account": {
    "_links": {
      "self": {
        "href": "/api/resourcelink"
      }
    },
    "name": "joe.smith"
  },
  "comment": "string",
  "enabled": "",
  "owner": {
    "_links": {
      "self": {
        "href": "/api/resourcelink"
      }
    },
    "name": "svm1",
    "uuid": "02c9e252-41be-11e9-81d5-00a0986138f7"
  },
  "scope": "string",
  "sha_fingerprint": "string"
}
```


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	

account_reference

Name	Type	Description
_links	_links	
name	string	User account

owner

Owner name and UUID that uniquely identifies the TOTP profile.

Name	Type	Description
_links	_links	
name	string	The name of the SVM. This field cannot be specified in a PATCH method.
uuid	string	The unique identifier of the SVM. This field cannot be specified in a PATCH method.

error_arguments

Name	Type	Description
code	string	Argument code
message	string	Message argument

returned_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 a TOTP profile for a user account

PATCH `/security/login/totps/{owner.uuid}/{account.name}`

Introduced In: 9.13

Updates a TOTP user account.

Related ONTAP commands

- `security login totp modify`

Learn more

- DOC /security/login/totps/{owner.uuid}/{account.name}
- DOC /security/accounts

Parameters

Name	Type	In	Required	Description
owner.uuid	string	path	True	Account owner UUID
account.name	string	path	True	User account name

Request Body

Name	Type	Description
comment	string	Optional comment for the TOTP profile.
enabled	boolean	Status of the TOTP profile.

Name	Type	Description
scope	string	Scope of the entity. Set to "cluster" for cluster owned objects and to "svm" for SVM owned objects.
sha_fingerprint	string	SHA fingerprint for the TOTP secret key.

Example request

```
{
  "comment": "string",
  "enabled": "",
  "scope": "string",
  "sha_fingerprint": "string"
}
```

Response

```
Status: 200, Ok
```

Error

```
Status: Default
```

ONTAP Error Response Codes

Error Code	Description
144834564	Only users with the admin role are allowed to modify the TOTP status.
144834565	Invalid option for the field -enabled
144834566	The user does not have a TOTP configuration available for modification.

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

account_reference

Name	Type	Description
name	string	User account

owner

Owner name and UUID that uniquely identifies the TOTP profile.

Name	Type	Description
name	string	The name of the SVM. This field cannot be specified in a PATCH method.
uuid	string	The unique identifier of the SVM. This field cannot be specified in a PATCH method.

totp

TOTP profile for the user account used to access SSH.

Name	Type	Description
comment	string	Optional comment for the TOTP profile.
enabled	boolean	Status of the TOTP profile.
scope	string	Scope of the entity. Set to "cluster" for cluster owned objects and to "svm" for SVM owned objects.
sha_fingerprint	string	SHA fingerprint for the TOTP secret key.

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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