



## **Manage TOTP profiles**

ONTAP 9.14.1 REST API reference

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# Table of Contents

- Manage TOTP profiles ..... 1
  - Security login totps owner.uuid account.name endpoint overview ..... 1
  - Delete the TOTP profile for a user account ..... 3
  - Retrieve the TOTP profile for a user account ..... 5
  - Update a TOTP profile for a user account ..... 10

# Manage TOTP profiles

## Security login totps owner.uuid account.name endpoint overview

### 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	<a href="#">returned_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

returned\_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.

## 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	<a href="#">_links</a>	
account	<a href="#">account_reference</a>	
comment	string	Optional comment for the TOTP profile.
enabled	boolean	Status of the TOTP profile.
owner	<a href="#">owner</a>	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": "cluster",
  "sha_fingerprint": "string"
}
```

## Error

Status: Default, Error

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

account\_reference

Name	Type	Description
_links	<a href="#">_links</a>	
name	string	User account

owner

Owner name and UUID that uniquely identifies the TOTP profile.

Name	Type	Description
_links	<a href="#">_links</a>	
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[ <a href="#">error_arguments</a> ]	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
<a href="#">_links</a>	<a href="#">_links</a>	
account	<a href="#">account_reference</a>	
comment	string	Optional comment for the TOTP profile.
enabled	boolean	Status of the TOTP profile.

Name	Type	Description
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 request

```
{
  "_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": "cluster",
  "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.

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

account\_reference

Name	Type	Description
_links	<a href="#">_links</a>	
name	string	User account

owner

Owner name and UUID that uniquely identifies the TOTP profile.

Name	Type	Description
_links	<a href="#">_links</a>	
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
_links	<a href="#">_links</a>	
account	<a href="#">account_reference</a>	
comment	string	Optional comment for the TOTP profile.
enabled	boolean	Status of the TOTP profile.

Name	Type	Description
owner	<a href="#">owner</a>	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.

#### error\_arguments

Name	Type	Description
code	string	Argument code
message	string	Message argument

#### returned\_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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