



# **Manage TOTP profile for a specific user account**

ONTAP 9.13.1 REST API reference

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# Manage TOTP profile for a specific user account

## 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 a 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 | 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 |

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 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.   |
| 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. <ul style="list-style-type: none"> <li>• Default value: 1</li> </ul>  |
| 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. <ul style="list-style-type: none"> <li>• Default value: 1</li> <li>• Max value: 120</li> <li>• Min value: 0</li> </ul> |
| order_by       | array[string] | query | False    | Order results by specified fields and optional [asc   |

## Response

Status: 200, Ok

| Name    | Type                              | Description |
|---------|-----------------------------------|-------------|
| _links  | <a href="#">_links</a>            |             |
| account | <a href="#">account_reference</a> |             |



| <b>Name</b>     | <b>Type</b>           | <b>Description</b>  |
|-----------------|-----------------------|---|
| 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 | 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 | <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.              |
| 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[ <a href="#">error_arguments</a> ] | Message arguments |
| code      | string                                   | Error code        |

| Name    | Type   | Description                                 |
|---------|--------|---|
| 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                            |
|---------|-----------------------------------|--|
| _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           | 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  | TOTP is not configured for the user                                   |

| 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 | <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.              |
| uuid   | string                 | The unique identifier of the SVM. |

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.                                    |
| owner   | <a href="#">owner</a>             | Owner name and UUID that uniquely identifies 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.  |

#### error\_arguments

| Name    | Type   | Description      |
|---------|--------|------------------|
| code    | string | Argument code    |
| message | string | Message argument |

#### 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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