



Manage TOTP profile for a specific user account

ONTAP 9.13.1 REST API reference

NetApp
May 08, 2024

Table of Contents

- Manage TOTP profile for a specific user account 1
 - Security login totps owner.uuid account.name endpoint overview 1
 - Delete a TOTP profile for a user account..... 3
 - Retrieve TOTP profile for a user account..... 5
 - Update a TOTP profile for a user account 11

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[error_arguments]	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. • Default value: 1
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. • Default value: 1 • Max value: 120 • Min value: 0
order_by	array[string]	query	False	Order results by specified fields and optional [asc

Response

Status: 200, Ok

Name	Type	Description
_links	_links	
account	account_reference	

Name	Type	Description
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": "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	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.
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
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	_links	
account	account_reference	
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	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.
uuid	string	The unique identifier of the SVM.

totp

TOTP profile for the user account used to access SSH.

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.

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[error_arguments]	Message arguments
code	string	Error code
message	string	Error message
target	string	The target parameter that caused the error.

Copyright information

Copyright © 2024 NetApp, Inc. All Rights Reserved. Printed in the U.S. No part of this document covered by copyright may be reproduced in any form or by any means—graphic, electronic, or mechanical, including photocopying, recording, taping, or storage in an electronic retrieval system—without prior written permission of the copyright owner.

Software derived from copyrighted NetApp material is subject to the following license and disclaimer:

THIS SOFTWARE IS PROVIDED BY NETAPP “AS IS” AND WITHOUT ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE, WHICH ARE HEREBY DISCLAIMED. IN NO EVENT SHALL NETAPP BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

NetApp reserves the right to change any products described herein at any time, and without notice. NetApp assumes no responsibility or liability arising from the use of products described herein, except as expressly agreed to in writing by NetApp. The use or purchase of this product does not convey a license under any patent rights, trademark rights, or any other intellectual property rights of NetApp.

The product described in this manual may be protected by one or more U.S. patents, foreign patents, or pending applications.

LIMITED RIGHTS LEGEND: Use, duplication, or disclosure by the government is subject to restrictions as set forth in subparagraph (b)(3) of the Rights in Technical Data -Noncommercial Items at DFARS 252.227-7013 (FEB 2014) and FAR 52.227-19 (DEC 2007).

Data contained herein pertains to a commercial product and/or commercial service (as defined in FAR 2.101) and is proprietary to NetApp, Inc. All NetApp technical data and computer software provided under this Agreement is commercial in nature and developed solely at private expense. The U.S. Government has a non-exclusive, non-transferrable, nonsublicensable, worldwide, limited irrevocable license to use the Data only in connection with and in support of the U.S. Government contract under which the Data was delivered. Except as provided herein, the Data may not be used, disclosed, reproduced, modified, performed, or displayed without the prior written approval of NetApp, Inc. United States Government license rights for the Department of Defense are limited to those rights identified in DFARS clause 252.227-7015(b) (FEB 2014).

Trademark information

NETAPP, the NETAPP logo, and the marks listed at <http://www.netapp.com/TM> are trademarks of NetApp, Inc. Other company and product names may be trademarks of their respective owners.