



# **Manage scoped user accounts**

## **ONTAP 9.7 REST API reference**

NetApp  
August 29, 2024

# Table of Contents

- Manage scoped user accounts ..... 1
  - Security accounts owner.uuid name endpoint overview ..... 1
  - Delete a user account ..... 3
  - Retrieve a specific user account ..... 6
  - Update a user account ..... 11

# Manage scoped user accounts

## Security accounts owner.uuid name endpoint overview

### Overview

This API displays and manages the configuration of scoped user accounts.

Newly created user accounts might need to be updated for many reasons. For example, a user account might need to use a different application or its role might need to be modified. According to a policy, the password or authentication source of a user account might need to be changed, or a user account might need to be locked or deleted from the system. This API allows you to make these changes to user accounts.

Specify the owner UUID and the user account name in the URI path. The owner UUID corresponds to the UUID of the SVM for which the user account has been created and can be obtained from the response body of the GET request performed on one of the following APIs: `/api/security/accounts` for all user accounts `/api/security/accounts/?scope=cluster` for cluster-scoped user accounts `/api/security/accounts/?scope=svm` for SVM-scoped accounts `/api/security/accounts/?owner.name={svm-name}` for a specific SVM This API response contains the complete URI for each user account that can be used.

### Examples

#### Retrieving the user account details

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

# The call:
curl -X GET "https://<mgmt-ip>/api/security/accounts/aef7c38-4bd3-11e9-
b238-0050568e2e25/svm_user1"

# The response:
{
  "owner": {
    "uuid": "aaef7c38-4bd3-11e9-b238-0050568e2e25",
    "name": "svm1",
    "_links": {
      "self": {
        "href": "/api/svm/svms/aaef7c38-4bd3-11e9-b238-0050568e2e25"
      }
    }
  },
  "name": "svm_user1",
  "applications": [
    {
      "application": "ssh",
      "authentication_methods": [
```

```

        "password"
    ],
    "second_authentication_method": "none"
}
],
"role": {
    "name": "vsadmin",
    "_links": {
        "self": {
            "href": "/api/svms/aaef7c38-4bd3-11e9-b238-0050568e2e25/admin/roles/vsadmin"
        }
    }
},
"locked": false,
"scope": "svm",
"_links": {
    "self": {
        "href": "/api/security/accounts/aaef7c38-4bd3-11e9-b238-0050568e2e25/svm_user1"
    }
}
}
}

```

## Updating the applications and role in a user account

Specify the desired configuration in the form of tuples (of applications and authentication methods) and the role. All other previously configured applications that are not specified in the "applications" parameter of the PATCH request will be de-provisioned for the user account.

```

# The API:
PATCH "/api/security/accounts/{owner.uuid}/{name}"

# The call to update the applications and role:
curl -X PATCH "https://<mgmt-ip>/api/security/accounts/aaef7c38-4bd3-11e9-b238-0050568e2e25/svm_user1" -d
'{"applications":[{"application":"http","authentication_methods":["domain"]}, {"application":"ontapi","authentication_methods":["password"]}], "role": "vsadmin-backup"}'

# The call to update only the role:
curl -X PATCH "https://<mgmt-ip>/api/security/accounts/aaef7c38-4bd3-11e9-b238-0050568e2e25/svm_user1" -d '{"role": "vsadmin-protocol"}'

```

## Updating the password for a user account

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

# The call:
curl -X PATCH "https://<mgmt-ip>/api/security/accounts/aaef7c38-4bd3-11e9-b238-0050568e2e25/svm_user1" -d '{"password":"newp@ssw@rd2"}'
```

## Locking a user account

```
The API:
PATCH "/api/security/accounts/{owner.uuid}/{name}"
The call:
curl -X PATCH "https://<mgmt-ip>/api/security/accounts/aaef7c38-4bd3-11e9-b238-0050568e2e25/svm_user1" -d '{"locked":"true"}'
```

## Deleting a user account

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

# The call:
curl -X DELETE "https://<mgmt-ip>/api/security/accounts/aaef7c38-4bd3-11e9-b238-0050568e2e25/svm_user1"
```

# Delete a user account

```
DELETE /security/accounts/{owner.uuid}/{name}
```

Deletes a user account.

## Required parameters

- name - Account name to be deleted.
- owner.uuid - UUID of the SVM housing the user account to be deleted.

## Related ONTAP commands

- security login delete

## Learn more

- [DOC /security/accounts/{owner.uuid}/{name}](#)

## Parameters

Name	Type	In	Required	Description
owner.uuid	string	path	True	
name	string	path	True	

## Response

Status: 200, Ok

## Error

Status: Default

### ONTAP Error Response Codes

Error Code	Description
5636098	Last unlocked account that has an admin role cannot be deleted.
5636125	The operation is not supported on system accounts.
5636146	Cannot delete the last console account with admin role.

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

#### 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 a specific user account

GET /security/accounts/{owner.uuid}/{name}

Retrieves a specific user account.

## Related ONTAP commands

- `security login show`

## Learn more

- [DOC /security/accounts/{owner.uuid}/{name}](#)
- [DOC /security/accounts](#)

## Parameters

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

## Response

Status: 200, Ok

Name	Type	Description
_links	<a href="#">_links</a>	
num_records	integer	Number of records
records	array[ <a href="#">account</a> ]	



## Example response

```
{
  "_links": {
    "next": {
      "href": "/api/resourcelink"
    },
    "self": {
      "href": "/api/resourcelink"
    }
  },
  "records": [
    {
      "_links": {
        "self": {
          "href": "/api/resourcelink"
        }
      },
      "applications": [
        {
          "application": "string",
          "authentication_methods": [
            "string"
          ],
          "second_authentication_method": "string"
        }
      ],
      "comment": "string",
      "name": "joe.smith",
      "owner": {
        "_links": {
          "self": {
            "href": "/api/resourcelink"
          }
        },
        "name": "svml",
        "uuid": "02c9e252-41be-11e9-81d5-00a0986138f7"
      },
      "password": "string",
      "role": {
        "_links": {
          "self": {
            "href": "/api/resourcelink"
          }
        },
        "name": "admin"
      }
    }
  ]
}
```

```
    },  
    "scope": "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
next	<a href="#">href</a>	
self	<a href="#">href</a>	

\_links

Name	Type	Description
self	<a href="#">href</a>	

account\_application

Name	Type	Description
application	string	Applications
authentication_methods	array[string]	
second_authentication_method	string	An optional additional authentication method for MFA. This only works with SSH as the application. It is ignored for all other applications.

owner

Owner name and UUID that uniquely identifies the user account.

Name	Type	Description
_links	<a href="#">_links</a>	
name	string	The name of the SVM.
uuid	string	The unique identifier of the SVM.

role

Name	Type	Description
_links	<a href="#">_links</a>	

Name	Type	Description
name	string	Role name

#### account

Name	Type	Description
_links	<a href="#">_links</a>	
applications	array[ <a href="#">account_application</a> ]	
comment	string	Optional comment for the user account.
locked	boolean	Locked status of the account.
name	string	User or group account name
owner	<a href="#">owner</a>	Owner name and UUID that uniquely identifies the user account.
password	string	Password for the account. The password can contain a mix of lower and upper case alphabetic characters, digits, and special characters.
role	<a href="#">role</a>	
scope	string	Scope of the entity. Set to "cluster" for cluster owned objects and to "svm" for SVM owned objects.

#### 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

Name	Type	Description
code	string	Error code
message	string	Error message
target	string	The target parameter that caused the error.

## Update a user account

PATCH `/security/accounts/{owner.uuid}/{name}`

Updates a user account. Locks or unlocks a user account and/or updates the role, applications, and/or password for the user account.

### Required parameters

- `name` - Account name to be updated.
- `owner.uuid` - UUID of the SVM housing the user account to be updated.

### Optional parameters

- `applications` - Array of one or more tuples (of application and authentication methods).
- `role` - RBAC role for the user account.
- `password` - Password for the user account (if the authentication method is opted as password for one or more of applications).
- `second_authentication_method` - Needed for MFA and only supported for ssh application. Defaults to none if not supplied.
- `comment` - Comment for the user account (e.g purpose of this account).
- `locked` - Set to true/false to lock/unlock the account.

### Related ONTAP commands

- `security login create`
- `security login modify`
- `security login password`
- `security login lock`
- `security login unlock`

### Learn more

- [DOC /security/accounts/{owner.uuid}/{name}](#)

## Parameters

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

## Request Body

Name	Type	Description
_links	<a href="#">_links</a>	
applications	array[ <a href="#">account_application</a> ]	
comment	string	Optional comment for the user account.
locked	boolean	Locked status of the account.
name	string	User or group account name
owner	<a href="#">owner</a>	Owner name and UUID that uniquely identifies the user account.
password	string	Password for the account. The password can contain a mix of lower and upper case alphabetic characters, digits, and special characters.
role	<a href="#">role</a>	
scope	string	Scope of the entity. Set to "cluster" for cluster owned objects and to "svm" for SVM owned objects.

## Example request

```
{
  "_links": {
    "self": {
      "href": "/api/resourcelink"
    }
  },
  "applications": [
    {
      "application": "string",
      "authentication_methods": [
        "string"
      ],
      "second_authentication_method": "string"
    }
  ],
  "comment": "string",
  "name": "joe.smith",
  "owner": {
    "_links": {
      "self": {
        "href": "/api/resourcelink"
      }
    },
    "name": "svml",
    "uuid": "02c9e252-41be-11e9-81d5-00a0986138f7"
  },
  "password": "string",
  "role": {
    "_links": {
      "self": {
        "href": "/api/resourcelink"
      }
    },
    "name": "admin"
  },
  "scope": "string"
}
```

## Response

Status: 200, Ok

## Error

Status: Default

### ONTAP Error Response Codes

Error Code	Description
1261215	The role was not found.
1261218	The user was not found.
1263343	Cannot lock user with password not set or non-password authentication method.
5636096	Cannot perform the operation for this user account since the password is not set.
5636097	The operation for user account failed since user password is not set.
5636100	User modification is not supported for service-processor application.
5636125	The operation not supported on AutoSupport user account which is reserved.
5636129	The role does not exist.
5636154	The second-authentication-method parameter is supported for ssh application.
5636155	The second-authentication-method parameter can be specified only if the authentication-method password or public key nsswitch.
5636156	Same value cannot be specified for the second-authentication-method and the authentication-method.
5636157	If the authentication-method is domain, the second-authentication-method cannot be specified.
5636159	For a given user and application, if the second-authentication-method is specified, only one such login entry is supported.
5636164	If the value for either the authentication-method second-authentication-method is nsswitch or password, the other parameter must differ.
5636174	You are not authorized to change the password for other users.
7077896	Cannot lock the account of the last console admin user.
7077906	A role with that name has not been defined for the Vserver.



Error Code	Description
7077911	The user is not configured to use the password authentication method.
7077918	The password cannot contain the username.
7077919	The minimum length for new password does not meet the policy.
7077920	The new password must have both letters and numbers.
7077921	The minimum number of special characters required do not meet the policy.
7077924	The new password must be different than last N passwords.
7077925	The new password must be different to the old password.
7077929	Cannot lock user with password not set or non-password authentication method.
7077940	The password exceeds maximum supported length.
7077941	Defined password composition exceeds the maximum password length of 128 characters.
7078900	An aAdmin password is not set. Set the password by including it in the request.

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\_application

Name	Type	Description
application	string	Applications
authentication_methods	array[string]	
second_authentication_method	string	An optional additional authentication method for MFA. This only works with SSH as the application. It is ignored for all other applications.

owner

Owner name and UUID that uniquely identifies the user account.

Name	Type	Description
_links	<a href="#">_links</a>	
name	string	The name of the SVM.
uuid	string	The unique identifier of the SVM.

role

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

account

Name	Type	Description
_links	<a href="#">_links</a>	
applications	array[ <a href="#">account_application</a> ]	
comment	string	Optional comment for the user account.
locked	boolean	Locked status of the account.
name	string	User or group account name
owner	<a href="#">owner</a>	Owner name and UUID that uniquely identifies the user account.
password	string	Password for the account. The password can contain a mix of lower and upper case alphabetic characters, digits, and special characters.
role	<a href="#">role</a>	
scope	string	Scope of the entity. Set to "cluster" for cluster owned objects and to "svm" for SVM owned objects.

#### 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

<b>Name</b>	<b>Type</b>	<b>Description</b>
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.