



# **Manage scoped user accounts**

## **ONTAP 9.7 REST API reference**

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# 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 ..... 5
  - 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       |
|--------------------------|---|-------------------|
| <code>_links</code>      | <code><a href="#">_links</a></code>           |                   |
| <code>num_records</code> | integer                                       | Number of records |
| <code>records</code>     | array[ <code><a href="#">account</a></code> ] |                   |



## Example response

```
{
  "_links": {
    "next": {
      "href": "/api/resourcelink"
    },
    "self": {
      "href": "/api/resourcelink"
    }
  },
  "records": {
    "_links": {
      "self": {
        "href": "/api/resourcelink"
      }
    },
    "application": "console",
    "authentication_methods": {
    },
    "second_authentication_method": "none"
  },
  "comment": "string",
  "name": "joe.smith",
  "owner": {
    "_links": {
      "self": {
        "href": "/api/resourcelink"
      }
    },
    "name": "svm1",
    "uuid": "02c9e252-41be-11e9-81d5-00a0986138f7"
  },
  "role": {
    "_links": {
      "self": {
        "href": "/api/resourcelink"
      }
    },
    "name": "admin"
  },
  "scope": "cluster"
}
```

## 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": "console",
    "authentication_methods": {
    },
    "second_authentication_method": "none"
  },
  "comment": "string",
  "name": "joe.smith",
  "owner": {
    "_links": {
      "self": {
        "href": "/api/resourcelink"
      }
    }
  },
  "name": "svm1",
  "uuid": "02c9e252-41be-11e9-81d5-00a0986138f7"
},
"role": {
  "_links": {
    "self": {
      "href": "/api/resourcelink"
    }
  },
  "name": "admin"
},
"scope": "cluster"
}
```

## 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.  |
| 7077911    | The user is not configured to use the password authentication method.  |



| Error Code | Description   |
|------------|---|
| 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. |

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