



Manage scoped user accounts

ONTAP 9.6 REST API reference

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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 GET call 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 -k -u <cluster_admin>:<password> -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 -k -u <cluster-admin>:<password> -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 -k -u <cluster-admin>:<password> -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 -k -u <cluster-admin>:<password> -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 -k -u <cluster-admin>:<password> -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 -k -u <cluster_admin>:<password> -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}](#)
- [DOC /security/accounts](#)

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	The last unlocked account that has an admin role cannot be deleted.
5636125	Operation not supported on system accounts.
5636146	Cannot delete the last console account with admin role.

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 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
owner.uuid	string	path	True	
name	string	path	True	

Response

Status: 200, Ok

Name	Type	Description
_links	_links	
num_records	integer	Number of records
records	array[account]	

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	href	
self	href	

_links

Name	Type	Description
self	href	

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	_links	
name	string	The name of the SVM.
uuid	string	The unique identifier of the SVM.

role_reference

Name	Type	Description
_links	_links	

Name	Type	Description
name	string	Role name

account

Name	Type	Description
_links	_links	
applications	array[account_application]	
comment	string	Optional comment for the user account.
locked	boolean	Locked status of the account.
name	string	User or group account name
owner	owner	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	role_reference	
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[error_arguments]	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	Owner UUID of the account.
name	string	path	True	User account name

Request Body

Name	Type	Description
_links	_links	
applications	array[account_application]	
comment	string	Optional comment for the user account.
locked	boolean	Locked status of the account.
name	string	User or group account name
owner	owner	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	role_reference	
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
7077906	A role with that name has not been defined for the Vserver.
7077918	Password cannot contain the username.
7077919	Minimum length for new password does not meet the policy.
7077920	New password must have both letters and numbers.
7077921	Minimum number of special characters required do not meet the policy.
7077929	Cannot lock user with non-password authentication method.
7077940	Password exceeds maximum supported length.
7077941	The defined password composition exceeds the maximum password length of 128 characters.
7078900	The admin password is not set. Set the password by including it in the request.
7077911	The user is not configured to use the password authentication method.
7077896	Cannot lock the account of the last console admin user.
7077924	New password must be different than last N passwords.
7077925	New password must be different to the old password.
5636096	Cannot perform the operation for this user account since the password is not set.
5636097	Operation for User account failed since user password is not set.
5636100	User modification is not supported for service-processor application.
5636125	Operation not supported on autosupport user account which is reserved.
5636129	Role does not exist.
5636159	For a given user and application, if the second-authentication-method is specified, only one such login entry is supported.

Error Code	Description
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	The 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.
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.

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_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	_links	
name	string	The name of the SVM.
uuid	string	The unique identifier of the SVM.

role_reference

Name	Type	Description
_links	_links	
name	string	Role name

account

Name	Type	Description
_links	_links	
applications	array[account_application]	
comment	string	Optional comment for the user account.
locked	boolean	Locked status of the account.
name	string	User or group account name
owner	owner	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	role_reference	
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[error_arguments]	Message arguments
code	string	Error code
message	string	Error message

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

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