View or delete a role

ONTAP 9.13.1 REST API reference

NetApp
April 02, 2024

Table of Contents

View or delete a role

Security roles owner.uuid name endpoint overview

Overview

This API is used to retrieve or delete a role. The role can be SVM-scoped or cluster-scoped.

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

The pre-defined roles can be retrieved but cannot be deleted.

Examples

Retrieving the role configuration for a REST role

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

# The call:
curl -X GET "https://<mgmt-ip>/api/security/roles/aaef7c38-4bd3-11e9-b238-
0050568e2e25/secure_role"

# The response:
{
"owner": {
  "uuid": "aaef7c38-4bd3-11e9-b238-0050568e2e25",
  "name": "svm1",
  "_links": {
    "self": {
      "href": "/api/svm/svms/aaef7c38-4bd3-11e9-b238-0050568e2e25"
    }
  }
},
"name": "secure_role",
"privileges": [
  {
    "path": "/api/security",
    "access": "all",
    "_links": {
      "self": {
        "href": "/api/security/roles/aaef7c38-4bd3-11e9-b238-
```

```
0050568e2e25/secure_role/privileges/%2Fapi%2Fsecurity"
      }
    }
  },
  {
    "path": "/api/storage/volumes/651f7fdf-7752-11eb-8d4e-
0050568ed6bd/snapshots",
    "access": "readonly",
    "_links": {
      "self": {
        "href": "/api/security/roles/aaef7c38-4bd3-11e9-b238-
0050568e2e25/secure_role/privileges/%2Fapi%2Fstorage%2Fvolumes%2F651f7fdf-
7752-11eb-8d4e-0050568ed6bd%2Fsnapshots"
      }
    }
  },
  {
    "path": "/api/storage/volumes/6dfeb406-9a16-11ec-819e-
005056bb1a7c/top-metrics/clients",
    "access": "readonly",
    "_links": {
      "self": {
        "href": "/api/security/roles/aaef7c38-4bd3-11e9-b238-
0050568e2e25/secure_role/privileges/%2Fapi%2Fstorage%2Fvolumes%2F6dfeb406-
9a16-11ec-819e-005056bb1a7c%2Ftop-metrics%2Fclients"
      }
    }
  }
],
"builtin": false,
"scope": "svm",
"_links": {
  "self": {
    "href": "/api/security/roles/aaef7c38-4bd3-11e9-b238-
0050568e2e25/secure_role"
  }
}
}
```

Retrieving the role configuration for a custom legacy role

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

# The call:
```

```
curl -X GET "https://<mgmt-ip>/api/security/roles/aaef7c38-4bd3-11e9-b238-
0050568e2e25/finVolNoDel"

# The response:
{
"owner": {
  "uuid": "aaef7c38-4bd3-11e9-b238-0050568e2e25",
  "name": "svm1",
  "_links": {
    "self": {
      "href": "/api/svm/svms/aaef7c38-4bd3-11e9-b238-0050568e2e25"
    }
  }
},
"name": "finVolNoDel",
"privileges": [
  {
    "path": "DEFAULT",
    "access": "none",
    "_links": {
      "self": {
        "href": "/api/security/roles/aaef7c38-4bd3-11e9-b238-
0050568e2e25/finVolNoDel/privileges/DEFAULT"
      }
    }
  },
  {
    "path": "volume",
    "access": "all",
    "_links": {
      "self": {
        "href": "/api/security/roles/aaef7c38-4bd3-11e9-b238-
0050568e2e25/finVolNoDel/privileges/volume"
      }
    }
  },
  {
    "path": "volume delete",
    "access": "none",
    "query": "-volume vol_fin*",
    "_links": {
      "self": {
        "href": "/api/security/roles/aaef7c38-4bd3-11e9-b238-
0050568e2e25/finVolNoDel/privileges/volume%20delete"
      }
    }
```

```
  }
],
"builtin": false,
"scope": "svm",
"_links": {
  "self": {
    "href": "/api/security/roles/aaef7c38-4bd3-11e9-b238-
0050568e2e25/finVolNoDel"
  }
}
}
```

Deleting a custom role

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

# The call:
curl -X DELETE "https://<mgmt-ip>/api/security/roles/aaef7c38-4bd3-11e9-
b238-0050568e2e25/svm_role1"
```

Delete a role

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

Introduced In: 9.6

Deletes the specified role.

Required parameters

- `name` - Name of the role to be deleted.
- `owner.uuid` - UUID of the SVM housing the role.

Related ONTAP commands

- `security login rest-role delete`
- `security login role delete`

Learn more

- DOC /security/roles/{owner.uuid}/{name}
- DOC /security/roles

Parameters

Name	Type	In	Required	Description
owner.uuid	string	path	True	Role owner UUID
name	string	path	True	Role name to be deleted.

Response

```
Status: 200, Ok
```

Error

```
Status: Default
```

ONTAP Error Response Codes

Error Code	Description
1263347	Cannot modify pre-defined roles.
5636169	Specified URI path is invalid or not supported. Resource-qualified endpoints are not supported.
5636170	URI does not exist.
5636172	User accounts detected with this role assigned. Update or delete those accounts before deleting this role.
5636173	Features require an effective cluster version of 9.6 or later.
5636184	Expanded REST roles for granular resource control feature is currently disabled.
5636185	The specified UUID was not found.
5636186	Expanded REST roles for granular resource control requires an effective cluster version of 9.10.1 or later.
13434890	Vserver-ID failed for Vserver roles.
13434893	The SVM does not exist.

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 the details of a role

GET `/security/roles/{owner.uuid}/{name}`

Introduced In: 9.6

Retrieves the details of the specified role.

Related ONTAP commands

- `security login rest-role show`
- `security login role show`

Learn more

- DOC /security/roles/{owner.uuid}/{name}
- DOC /security/roles

Parameters

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

Response

```
Status: 200, Ok
```

Name	Type	Description
_links	_links	
builtin	boolean	Indicates if this is a built-in (pre-defined) role which cannot be modified or deleted.
name	string	Role name
owner	owner	Owner name and UUID that uniquely identifies the role.
privileges	array[role_privilege]	The list of privileges that this role has been granted.
scope	string	Scope of the entity. Set to "cluster" for cluster owned objects and to "svm" for SVM owned objects.

Example response


```
{
  "_links": {
    "self": {
      "href": "/api/resourcelink"
    }
  },
  "name": "admin",
  "owner": {
    "_links": {
      "self": {
        "href": "/api/resourcelink"
      }
    },
    "name": "svm1",
    "uuid": "02c9e252-41be-11e9-81d5-00a0986138f7"
  },
  "privileges": {
    "_links": {
      "self": {
        "href": "/api/resourcelink"
      }
    },
    "access": "all",
    "path": "volume move start",
    "query": "-vserver vs1|vs2|vs3 -destination-aggregate aggr1|aggr2"
  },
  "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
self	href	

owner

Owner name and UUID that uniquely identifies the role.

Name	Type	Description
_links	_links	
name	string	The name of the SVM.
uuid	string	The unique identifier of the SVM.

role_privilege

A tuple containing a REST endpoint or a command/command directory path and the access level assigned to that endpoint or command/command directory. If the "path" attribute refers to a command/command directory path, the tuple could additionally contain an optional query. The REST endpoint can be a resource-qualified endpoint. At present, the only supported resource-qualified endpoints are the following

Snapshots APIs

- */api/storage/volumes/{volume.uuid}/snapshots*

File System Analytics APIs

- */api/storage/volumes/{volume.uuid}/files*
- */api/storage/volumes/{volume.uuid}/top-metrics/clients*
- */api/storage/volumes/{volume.uuid}/top-metrics/directories*
- */api/storage/volumes/{volume.uuid}/top-metrics/files*
- */api/storage/volumes/{volume.uuid}/top-metrics/users*
- */api/svm/svms/{svm.uuid}/top-metrics/clients*
- */api/svm/svms/{svm.uuid}/top-metrics/directories*
- */api/svm/svms/{svm.uuid}/top-metrics/files*
- */api/svm/svms/{svm.uuid}/top-metrics/users*

In the above APIs, wildcard character * could be used in place of *{volume.uuid}* or *{svm.uuid}* to denote *all* volumes or *all* SVMs, depending upon whether the REST endpoint references volumes or SVMs.

Name	Type	Description
_links	_links	
access	string	Access level for the REST endpoint or command/command directory path. If it denotes the access level for a command/command directory path, the only supported enum values are 'none','readonly' and 'all'.
path	string	Either of REST URI/endpoint OR command/command directory path.
query	string	Optional attribute that can be specified only if the "path" attribute refers to a command/command directory path. The privilege tuple implicitly defines a set of objects the role can or cannot access at the specified access level. The query further reduces this set of objects to a subset of objects that the role is allowed to access. The query attribute must be applicable to the command/command directory specified by the "path" attribute. It is defined using one or more parameters of the command/command directory path specified by the "path" attribute.

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

Trademark information