



## **Manage role privilege details**

ONTAP 9.6 REST API reference

NetApp  
August 29, 2024

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# Manage role privilege details

## Security roles owner.uuid name privileges endpoint overview

### Overview

This API is used to configure the role privileges (tuples of REST URI path and its access levels). It also retrieves all of the privilege tuples for a role and can add a tuple to an existing 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: `<em>/api/security/roles</em>` for all the roles  
`<em>/api/security/roles/?scope=svm</em>` for SVM-scoped roles  
`<em>/api/security/roles/?owner.name=<svm-name>&lt;i>&lt;/i>&lt;/em>`; for roles in a specific SVM This API response contains the complete URI for each role and can be used after suffixing it with `_"privileges"</em>`.`</svm-name>_`



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

### Examples

#### Adding a privilege tuple for an existing custom role

```
# The API:
POST "/security/roles/{owner.uuid}/{name}/privileges"

# The call:
curl -k -u <cluster_admin>:<password> -X POST "https://<mgmt-
ip>/api/security/roles/aaef7c38-4bd3-11e9-b238-
0050568e2e25/svm_role1/privileges" -d
'{"access":"readonly","path":"/api/protocols}"'
```

#### Retrieving all the privilege tuples for a role

```

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

# The call:
curl -k -u <cluster_admin>:<password> -X GET "https://<mgmt-
ip>/api/security/roles/aaef7c38-4bd3-11e9-b238-
0050568e2e25/svm_role1/privileges"

# The response:
{
  "records": [
    {
      "path": "/api/application",
      "access": "all",
      "_links": {
        "self": {
          "href": "/api/security/roles/aaef7c38-4bd3-11e9-b238-
0050568e2e25/svm_role1/privileges/%2Fapi%2Fapplication"
        }
      }
    },
    {
      "path": "/api/protocols",
      "access": "readonly",
      "_links": {
        "self": {
          "href": "/api/security/roles/aaef7c38-4bd3-11e9-b238-
0050568e2e25/svm_role1/privileges/%2Fapi%2Fprotocols"
        }
      }
    }
  ],
  "num_records": 2,
  "_links": {
    "self": {
      "href": "/api/security/roles/aaef7c38-4bd3-11e9-b238-
0050568e2e25/svm_role1/privileges"
    }
  }
}

```

## Retrieve privilege details of the specified role

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

Retrieves privilege details of the specified role.

## Related ONTAP commands

- `security login rest-role show`

## Learn more

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

## Parameters

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

## Response

Status: 200, Ok

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

## Example response

```
{
  "_links": {
    "next": {
      "href": "/api/resourcelink"
    },
    "self": {
      "href": "/api/resourcelink"
    }
  },
  "records": [
    {
      "_links": {
        "self": {
          "href": "/api/resourcelink"
        }
      },
      "access": "readonly",
      "path": "/api/storage/volumes"
    }
  ]
}
```

## Error

Status: Default, Error

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

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>	

role\_privilege

A tuple containing the REST endpoint and the access level assigned to that endpoint.

Name	Type	Description
<a href="#">_links</a>	<a href="#">_links</a>	
access	string	Access level for the REST endpoint.
path	string	REST URI/endpoint

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



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

## Add a privilege tuple to an existing role

POST `/security/roles/{owner.uuid}/{name}/privileges`

Add a privilege tuple (of REST URI and its access level) to an existing role.

### Required parameters

- `owner.uuid` - UUID of the SVM that houses this role.
- `name` - Name of the role to be updated.
- `path` - REST URI path (example: `"/api/storage/volumes"`).
- `access` - Desired access level for the REST URI path (one of "all", "readonly" or "none").

### Optional parameters

none

### Related ONTAP commands

- `security login rest-role create`

### Learn more

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

### Parameters

Name	Type	In	Required	Description
<code>owner.uuid</code>	string	path	True	Owner UUID of the role.
<code>name</code>	string	path	True	Role name

### Request Body

Name	Type	Description
_links	<a href="#">_links</a>	
access	string	Access level for the REST endpoint.
path	string	REST URI/endpoint

### Example request

```
{
  "_links": {
    "self": {
      "href": "/api/resourcelink"
    }
  },
  "access": "readonly",
  "path": "/api/storage/volumes"
}
```

### Response

Status: 201, Created

### Error

Status: Default

### ONTAP Error Response Codes

Error Code	Description
13434891	UUID LookUp failed for Vserver roles.
13434890	Vserver-Id failed for Vserver roles.
13434892	Roles is a required field.
13434893	SVM does not exist.
5636173	This feature requires an effective cluster version of 9.6 or later.
5636129	Role with given name has not been defined.
5636169	Invalid character in URI.

Error Code	Description
5636170	URI does not exist.
5636175	Vserver admin cannot have access to given API.
5636144	Invalid value specified for the access level.
5636143	A Vserver admin cannot use the API with this access level.

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

href

Name	Type	Description
href	string	

\_links

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

role\_privilege

A tuple containing the REST endpoint and the access level assigned to that endpoint.

Name	Type	Description
_links	<a href="#">_links</a>	
access	string	Access level for the REST endpoint.
path	string	REST URI/endpoint

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.

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