



Manage role privilege details

REST API reference

NetApp

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Manage role privilege details

Manage role privilege details

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: `/api/security/roles` for all the roles

`/api/security/roles/?scope=svm` for SVM-scoped roles

`/api/security/roles/?owner.name=<svm-name></i>` 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.</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"
    }
  }
}

```

Retrieves privilege details of the specified role

related ontap commands

- security login rest-role show [# learn more](#)
- [doc /security/roles/{owneruuid}/{name}/privileges](#docs-security-security_roles_{owneruuid}_{name}_privileges)
- [doc /security/roles](#docs-security-security_roles)

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 | _links | |
| num_records | integer | Number of records |
| records | array[role_privilege] | |

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 | 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 | |

role_privilege

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

| Name | Type | Description |
|--------|--------|-------------------------------------|
| _links | _links | |
| 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[error_arguments] | 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 (of rest uri and its access level) to an existing role

required parameters

- owneruuid - 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/{owneruuid}/{name}/privileges](#docs-security-security_roles_{owneruuid}_{name}_privileges)
- [doc /security/roles](#docs-security-security_roles)

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 |
|------------|--------|------|----------|-------------------------|
| owner.uuid | string | path | True | Owner UUID of the role. |
| name | string | path | True | Role name |

Request Body

| Name | Type | Description |
|--------|------------------------|-------------------------------------|
| _links | _links | |
| 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. |
| 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 | 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 | |

role_privilege

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

| Name | Type | Description |
|--------|--------|-------------------------------------|
| _links | _links | |
| 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[error_arguments] | Message arguments |
| code | string | Error code |
| message | string | Error message |
| target | string | The target parameter that caused the error. |

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