Manage CIFS user group privileges

REST API reference

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Manage CIFS user group privileges

Protocols CIFS users-and-groups privileges endpoint overview

Overview

Privileges associated with local or Active Directory users or groups defines the permissions for the specified user or group. You can use this API to display and/or control privileges of local or Active Directory users or groups.

Retrieving the privileges of a specific local or Active Directory user or group and an SVM

The users and groups privileges GET endpoint retrieves privileges of the specified local or Active Directory user or group and the SVM.

Examples

Retrieving the privileges of all of the users or groups of data SVMs.

```
# The API:
/api/protocols/cifs/users-and-groups/privileges

# The call:
curl -X GET "https://<mgmt-ip>/api/protocols/cifs/users-and-
groups/privileges?fields=*" -H "accept: application/json"

# The response:
{
"records": [
  {
    "svm": {
      "uuid": "25b363a6-2971-11eb-88e1-0050568eefd4",
      "name": "vs1"
    },
    "name": "VS1.CIFS\\user1",
    "privileges": [
      "SeChangeNotifyPrivilege",
      "SeTakeOwnershipPrivilege"
    ]
  },
  {
    "svm": {
      "uuid": "25b363a6-2971-11eb-88e1-0050568eefd4",
```

```
      "name": "vs1"
    },
    "name": "ACTIVE_DIRECTORY\\user",
    "privileges": [
      "SeBackupPrivilege",
      "SeTakeOwnershipPrivilege"
    ]
  },
  {
    "svm": {
      "uuid": "0ac79c37-3867-11eb-bece-0050568ed0a2",
      "name": "vs2"
    },
    "name": "VS2.CIFS\\group1",
    "privileges": [
      "SeSecurityPrivilege",
      "SeBackupPrivilege",
      "SeRestorePrivilege"
    ]
  }
]
}
```

Retrieving the privileges of the specific SVM and user or group

```
# The API:
/api/protocols/cifs/users-and-groups/{svm.uuid}/{name}/privileges

# The call:
curl -X GET "https://<mgmt-ip>/api/protocols/cifs/users-and-
groups/privileges/25b363a6-2971-11eb-88e1-0050568eefd4/user1" -H "accept:
application/json"

# The response:
{
"svm": {
  "uuid": "25b363a6-2971-11eb-88e1-0050568eefd4",
  "name": "vs1"
},
"name": "VS1.CIFS\\user1",
"privileges": [
  "SeChangeNotifyPrivilege",
  "SeTakeOwnershipPrivilege"
]
}
```

Adding privileges to the local or Active Directory user or group

The users and groups privileges POST endpoint adds privileges to the specified local or Active Directory user or group and the SVM.

Adding the privileges to the local user 'user1'

```
# The API:
/api/protocols/cifs/users-and-groups/privileges/{svm.uuid}/{name}

# The call:
curl -X POST "https://<mgmt-ip>/api/protocols/cifs/users-and-
groups/privileges/179d3c85-7053-11e8-b9b8-005056b41bd1/user1" -H "accept:
application/json" -H "Content-Type: application/json" -d '{ "privileges":
[ "SeSecurityPrivilege", "SeBackupPrivilege", "SeRestorePrivilege"] }'
```

Updating the privileges of the local or Active Directory user or group of a specific SVM

Example

Updating the privileges of local user 'user1' in SVM 'vs1' to 'SeRestorePrivilege' and 'SeSecurityPrivilege'

```
# The API:
/api/protocols/cifs/users-and-groups/privileges/{svm.uuid}/{name}

# The call:
curl -X PATCH "https://<mgmt-ip>/api/protocols/cifs/users-and-
groups/privileges/179d3c85-7053-11e8-b9b8-005056b41bd1/user1" -H "accept:
application/json" -d '{ "privileges": [ "SeRestorePrivilege",
"SeSecurityPrivilege"] }'
```

Reset all the privileges associated with the local user 'user1' in SVM 'vs1'

```
# The API:
/api/protocols/cifs/users-and-groups/privileges/{svm.uuid}/{name}

# The call:
curl -X PATCH "https://<mgmt-ip>/api/protocols/cifs/users-and-
groups/privileges/179d3c85-7053-11e8-b9b8-005056b41bd1/user1" -H "accept:
application/json" -d '{ "privileges": [ ] }'
```

Retrieve privileges for all local, or Active Directory users or groups and SVMs

GET `/protocols/cifs/users-and-groups/privileges`

Introduced In: 9.9

Retrieves privileges of the specified local or Active Directory user or group and SVM.

Related ONTAP commands

- `vserver cifs users-and-groups privilege show`

Learn more

- DOC /protocols/cifs/users-and-groups/privileges

Parameters

Name	Type	In	Required	Description
svm.uuid	string	query	False	Filter by svm.uuid

Name	Type	In	Required	Description
svm.name	string	query	False	Filter by svm.name
privileges	string	query	False	Filter by privileges
name	string	query	False	Filter by name
fields	array[string]	query	False	Specify the fields to return.
max_records	integer	query	False	Limit the number of records returned.
return_records	boolean	query	False	The default is true for GET calls. When set to false, only the number of records is returned. • Default value: 1
return_timeout	integer	query	False	The number of seconds to allow the call to execute before returning. When iterating over a collection, the default is 15 seconds. ONTAP returns earlier if either max records or the end of the collection is reached. • Default value: 1 • Max value: 120 • Min value: 0
order_by	array[string]	query	False	Order results by specified fields and optional [asc

Response

```
Status: 200, Ok
```

Name	Type	Description
_links	_links	
num_records	integer	Number of local or Active Directory user or group records.
records	array[user_group_privileges]	

Example response


```
{
  "_links": {
    "next": {
      "href": "/api/resourcelink"
    },
    "self": {
      "href": "/api/resourcelink"
    }
  },
  "num_records": 1,
  "records": [
    {
      "_links": {
        "self": {
          "href": "/api/resourcelink"
        }
      },
      "name": "user1",
      "privileges": [
        "string"
      ],
      "svm": {
        "_links": {
          "self": {
            "href": "/api/resourcelink"
          }
        },
        "name": "svm1",
        "uuid": "02c9e252-41be-11e9-81d5-00a0986138f7"
      }
    }
  ]
}
```

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	

svm

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

user_group_privileges

Name	Type	Description
_links	_links	
name	string	Local or Active Directory user or group name.

Name	Type	Description
privileges	array[string]	An array of privileges associated with the local or Active Directory user or group. The available values are: • SeTcbPrivilege - Allows user to act as part of the operating system • SeBackupPrivilege - Allows user to back up files and directories, overriding any ACLs • SeRestorePrivilege - Allows user to restore files and directories, overriding any ACLs • SeTakeOwnershipPrivilege - Allows user to take ownership of files or other objects • SeSecurityPrivilege - Allows user to manage auditing and viewing/dumping/clearing the security log • SeChangeNotifyPrivilege - Allows user to bypass traverse checking
svm	svm	

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.

Add privileges to a local, or Active Directory user or group and SVM

POST `/protocols/cifs/users-and-groups/privileges`

Introduced In: 9.9

Adds privileges to the specified local or Active Directory user or group and SVM.

Important note

- Specified privileges are appended to the existing list of privileges.

Required properties

- `svm.uuid` or `svm.name` - Existing SVM for which privileges are added to user or group.
- `name` - Exising local or Active Directory user or group for which privileges are to be added.
- `privileges` - List of privileges to be added to a user or group.

Related ONTAP commands

- `vserver cifs users-and-groups privilege add-privilege`

Learn more

- DOC /protocols/cifs/users-and-groups/privileges

Parameters

Name	Type	In	Required	Description
return_records	boolean	query	False	The default is false. If set to true, the records are returned. • Default value:

Request Body

Name	Type	Description
name	string	Local or Active Directory user or group name.
privileges	array[string]	An array of privileges associated with the local or Active Directory user or group. The available values are: • SeTcbPrivilege - Allows user to act as part of the operating system • SeBackupPrivilege - Allows user to back up files and directories, overriding any ACLs • SeRestorePrivilege - Allows user to restore files and directories, overriding any ACLs • SeTakeOwnershipPrivilege - Allows user to take ownership of files or other objects • SeSecurityPrivilege - Allows user to manage auditing and viewing/dumping/clearing the security log • SeChangeNotifyPrivilege - Allows user to bypass traverse checking
svm	svm	

Example request

```
{
  "name": "user1",
  "privileges": [
    "string"
  ],
  "svm": {
    "name": "svm1",
    "uuid": "02c9e252-41be-11e9-81d5-00a0986138f7"
  }
}
```

Response

```
Status: 201, Created
```

Headers

Name	Description	Type
Location	Useful for tracking the resource location	string

Error

```
Status: Default
```

ONTAP Error Response Codes

Error Code	Description
655660	The operation is allowed only on data SVMs.
655673	Failed to resolve the user or group.
655730	The specified local user to which privileges are to be associated to does not exist.

Definitions

See Definitions

href

Name	Type	Description
href	string	

_links

svm

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

user_group_privileges

Name	Type	Description
name	string	Local or Active Directory user or group name.

Name	Type	Description
privileges	array[string]	An array of privileges associated with the local or Active Directory user or group. The available values are: • SeTcbPrivilege - Allows user to act as part of the operating system • SeBackupPrivilege - Allows user to back up files and directories, overriding any ACLs • SeRestorePrivilege - Allows user to restore files and directories, overriding any ACLs • SeTakeOwnershipPrivilege - Allows user to take ownership of files or other objects • SeSecurityPrivilege - Allows user to manage auditing and viewing/dumping/clearing the security log • SeChangeNotifyPrivilege - Allows user to bypass traverse checking
svm	svm	

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.

Retrieve privileges for a local, or Active Directory user or group and SVM

GET `/protocols/cifs/users-and-groups/privileges/{svm.uuid}/{name}`

Introduced In: 9.9

Retrieves privileges of the specified local or Active Directory user or group and SVM.

Related ONTAP commands

- `vserver cifs users-and-groups privilege show`

Learn more

- DOC /protocols/cifs/users-and-groups/privileges

Parameters

Name	Type	In	Required	Description
name	string	path	True	Local or Active Directory user or group name.
svm.uuid	string	path	True	UUID of the SVM to which this object belongs.
fields	array[string]	query	False	Specify the fields to return.

Response

```
Status: 200, Ok
```

Name	Type	Description
_links	_links	

Name	Type	Description
name	string	Local or Active Directory user or group name.
privileges	array[string]	An array of privileges associated with the local or Active Directory user or group. The available values are: • SeTcbPrivilege - Allows user to act as part of the operating system • SeBackupPrivilege - Allows user to back up files and directories, overriding any ACLs • SeRestorePrivilege - Allows user to restore files and directories, overriding any ACLs • SeTakeOwnershipPrivilege - Allows user to take ownership of files or other objects • SeSecurityPrivilege - Allows user to manage auditing and viewing/dumping/clearing the security log • SeChangeNotifyPrivilege - Allows user to bypass traverse checking
svm	svm	

Example response


```
{
  "_links": {
    "self": {
      "href": "/api/resourcelink"
    }
  },
  "name": "user1",
  "privileges": [
    "string"
  ],
  "svm": {
    "_links": {
      "self": {
        "href": "/api/resourcelink"
      }
    },
    "name": "svm1",
    "uuid": "02c9e252-41be-11e9-81d5-00a0986138f7"
  }
}
```


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	

svm

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

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.

Update privileges for a local, or Active Directory user or group and SVM

PATCH `/protocols/cifs/users-and-groups/privileges/{svm.uuid}/{name}`

Introduced In: 9.9

Updates privileges of the specified local or Active Directory user or group and SVM.

Important note

- Specified privileges will replace all the existing privileges associated with the user or group.
- To reset privileges associated with the user or group, specify the privileges list as empty.

Related ONTAP commands

- `vserver cifs users-and-groups privilege reset-privilege`

Learn more

- DOC /protocols/cifs/users-and-groups/privileges

Parameters

Name	Type	In	Required	Description
name	string	path	True	Local or Active Directory user or group name.
svm.uuid	string	path	True	UUID of the SVM to which this object belongs.

Request Body

Name	Type	Description
privileges	array[string]	An array of privileges associated with the local or Active Directory user or group. The available values are: • SeTcbPrivilege - Allows user to act as part of the operating system • SeBackupPrivilege - Allows user to back up files and directories, overriding any ACLs • SeRestorePrivilege - Allows user to restore files and directories, overriding any ACLs • SeTakeOwnershipPrivilege - Allows user to take ownership of files or other objects • SeSecurityPrivilege - Allows user to manage auditing and viewing/dumping/clearing the security log • SeChangeNotifyPrivilege - Allows user to bypass traverse checking
svm	svm	

Example request

```
{
  "privileges": [
    "string"
  ],
  "svm": {
    "name": "svm1",
    "uuid": "02c9e252-41be-11e9-81d5-00a0986138f7"
  }
}
```

Response

```
Status: 200, Ok
```

Error

```
Status: Default
```

ONTAP Error Response Codes

Error Code	Description
655673	Failed to resolve the user or group.
655730	The specified local user to which privileges are to be associated to does not exist.

Definitions

See Definitions

href

Name	Type	Description
href	string	

_links

svm

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

user_group_privileges

Name	Type	Description
privileges	array[string]	An array of privileges associated with the local or Active Directory user or group. The available values are: • SeTcbPrivilege - Allows user to act as part of the operating system • SeBackupPrivilege - Allows user to back up files and directories, overriding any ACLs • SeRestorePrivilege - Allows user to restore files and directories, overriding any ACLs • SeTakeOwnershipPrivilege - Allows user to take ownership of files or other objects • SeSecurityPrivilege - Allows user to manage auditing and viewing/dumping/clearing the security log • SeChangeNotifyPrivilege - Allows user to bypass traverse checking
svm	svm	

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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