Manage local groups

REST API reference

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Manage local groups

Protocols CIFS local-groups endpoint overview

Overview

The CIFS server can use local groups for authorization when determining share, file and directory access rights. You can use this API to display local group information and to control local group configurations.

Retrieving local group information

The local group GET endpoint retrieves all of the local groups configurations for data SVMs.

Examples

Retrieving all of the fields for all of the local group configurations

The local group GET endpoint retrieves all of the local groups configurations for data SVMs.

```
# The API:
/api/protocols/cifs/local-groups

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

# The response:
{
"records": [
  {
    "svm": {
      "uuid": "b009a9e7-4081-b576-7575-ada21efcaf16",
      "name": "vs1"
    },
    "sid": "S-1-5-32-544",
    "name": "BUILTIN\\Administrators",
    "description": "Built-in Administrators group",
    "members": [
      {
        "name": "CIFS_SERVER\\Administrator"
      },
      {
        "name": "AD_DOMAIN\\Domain Admins"
      }
    ]
  },
```

```
  {
    "svm": {
      "uuid": "b009a9e7-4081-b576-7575-ada21efcaf16",
      "name": "vs1"
    },
    "sid": "S-1-5-32-545",
    "name": "BUILTIN\\Users",
    "description": "All users",
    "members": [
      {
        "name": "AD_DOMAIN\\Domain Users"
      }
    ]
  },
  {
    "svm": {
      "uuid": "b009a9e7-4081-b576-7575-ada21efcaf16",
      "name": "vs1"
    },
    "sid": "S-1-5-32-546",
    "name": "BUILTIN\\Guests",
    "description": "Built-in Guests Group",
    "members": [
      {
        "name": "SACHILDAP02\\Domain Guests"
      }
    ]
  },
  {
    "svm": {
      "uuid": "b009a9e7-4081-b576-7575-ada21efcaf16",
      "name": "vs1"
    },
    "sid": "S-1-5-32-547",
    "name": "BUILTIN\\Power Users",
    "description": "Restricted administrative privileges"
  },
  {
    "svm": {
      "uuid": "b009a9e7-4081-b576-7575-ada21efcaf16",
      "name": "vs1"
    },
    "sid": "S-1-5-32-551",
    "name": "BUILTIN\\Backup Operators",
    "description": "Backup Operators group"
  },
```

```
  {
    "svm": {
      "uuid": "b009a9e7-4081-b576-7575-ada21efcaf16",
      "name": "vs1"
    },
    "sid": "S-1-5-21-256008430-3394229847-3930036330-1001",
    "name": "CIFS_SERVER\\group2",
    "description": "local group2"
  },
  {
    "svm": {
      "uuid": "5060077c-5be6-11eb-90b7-0050568e5169",
      "name": "vs2"
    },
    "sid": "S-1-5-32-544",
    "name": "BUILTIN\\Administrators",
    "description": "Built-in Administrators group",
    "members": [
      {
        "name": "VS2.CIFS\\Administrator"
      },
      {
        "name": "VS2.CIFS\\user3"
      },
      {
        "name": "SACHILDAP02\\Domain Admins"
      }
    ]
  },
  {
    "svm": {
      "uuid": "5060077c-5be6-11eb-90b7-0050568e5169",
      "name": "vs2"
    },
    "sid": "S-1-5-32-545",
    "name": "BUILTIN\\Users",
    "description": "All users",
    "members": [
      {
        "name": "SACHILDAP02\\Domain Users"
      }
    ]
  },
  {
    "svm": {
      "uuid": "5060077c-5be6-11eb-90b7-0050568e5169",
```

```
      "name": "vs2"
    },
    "sid": "S-1-5-32-546",
    "name": "BUILTIN\\Guests",
    "description": "Built-in Guests Group",
    "members": [
      {
        "name": "SACHILDAP02\\Domain Guests"
      }
    ]
  },
  {
    "svm": {
      "uuid": "5060077c-5be6-11eb-90b7-0050568e5169",
      "name": "vs2"
    },
    "sid": "S-1-5-32-547",
    "name": "BUILTIN\\Power Users",
    "description": "Restricted administrative privileges"
  },
  {
    "svm": {
      "uuid": "5060077c-5be6-11eb-90b7-0050568e5169",
      "name": "vs2"
    },
    "sid": "S-1-5-32-551",
    "name": "BUILTIN\\Backup Operators",
    "description": "Backup Operators group"
  },
  {
    "svm": {
      "uuid": "5060077c-5be6-11eb-90b7-0050568e5169",
      "name": "vs2"
    },
    "sid": "S-1-5-21-1625922807-3304708894-3529444428-1001",
    "name": "CIFS_SERVER\\group1",
    "description": "local group1"
  }
],
"num_records": 12
}
```


Retrieving a local group configuration of a specific SVM and group

```
# The API:
/api/protocols/cifs/local-groups/{svm.uuid}/{sid}

# The call:
curl -X GET "https://<mgmt-ip>/api/protocols/cifs/local-groups/25b363a6-
2971-11eb-88e1-0050568eefd4/S-1-5-21-256008430-3394229847-3930036330-1001"
-H "accept: application/json"

# The response:
{
"svm": {
  "uuid": "25b363a6-2971-11eb-88e1-0050568eefd4",
  "name": "vs1"
},
"sid": "S-1-5-21-256008430-3394229847-3930036330-1001",
"name": "CIFS_SERVER\\group1",
"description": "local group"
}
```

Creating a local group configuration

The local group POST endpoint creates a local group configuration for the specified SVM.

Example

```
# The API:
/api/protocols/cifs/local-groups

# The call:
curl -X POST "https://<mgmt-ip>/api/protocols/cifs/local-groups" -H
"accept: application/json" -H "Content-Type: application/json" -d '{
"svm": {"uuid": "179d3c85-7053-11e8-b9b8-005056b41bd1"}, "name":
"group1"}'
```

Updating a local group configuration

The local group PATCH endpoint updates the name and description of the specified local group and the specified SVM.

Example

Update the local group name from 'group1' to 'group2'

```
# The API:
/api/protocols/local-groups/{svm.uuid}/{sid}

# The call:
curl -X PATCH "https://<mgmt-ip>/api/protocols/cifs/local-groups/179d3c85-
7053-11e8-b9b8-005056b41bd1/S-1-5-21-256008430-3394229847-3930036330-1257"
-H "accept: application/json" -H "Content-Type: application/json" -d '{
"name": "group2", "description": "local group"}'
```

Deleting a local group configuration

The local group DELETE endpoint deletes the specified local group of the specified SVM.

Example

Delete the local group 'group1'

```
# The API:
/api/protocols/cifs/local-groups/{svm.uuid}/{sid}

# The call:
curl -X DELETE "https://<mgmt-ip>/api/protocols/cifs/local-
groups/179d3c85-7053-11e8-b9b8-005056b41bd1/S-1-5-21-256008430-3394229847-
3930036330-1001" -H "accept: application/json"
```

Retrieve local groups for all SVMs

GET `/protocols/cifs/local-groups`

Introduced In: 9.9

Retrieves the local groups for all of the SVMs.

Advanced properties

- `members`

Related ONTAP commands

- `vserver cifs users-and-groups local-group show`
- `vserver cifs users-and-groups local-group show-members`

Learn more

- DOC /protocols/cifs/local-groups

Parameters

Name	Type	In	Required	Description
sid	string	query	False	Filter by sid • Introduced in: 9.10
members.name	string	query	False	Filter by members.name
name	string	query	False	Filter by name • minLength: 1
svm.uuid	string	query	False	Filter by svm.uuid
svm.name	string	query	False	Filter by svm.name
description	string	query	False	Filter by description • maxLength: 256
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

Name	Type	In	Required	Description
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 group records.
records	array[local_cifs_group]	

Example response


```
{
  "_links": {
    "next": {
      "href": "/api/resourcelink"
    },
    "self": {
      "href": "/api/resourcelink"
    }
  },
  "num_records": 1,
  "records": [
    {
      "_links": {
        "self": {
          "href": "/api/resourcelink"
        }
      },
      "description": "This is a local group",
      "members": [
        {
          "name": "string"
        }
      ],
      "name": "SMB_SERVER01\\group",
      "sid": "S-1-5-21-256008430-3394229847-3930036330-1001",
      "svm": {
        "_links": {
          "self": {
            "href": "/api/resourcelink"
          }
        },
        "name": "svm1",
        "uuid": "02c9e252-41be-11e9-81d5-00a0986138f7"
      }
    }
  ]
}
```


Error

```
Status: Default, Error
```

Name	Type	Description
error	returned_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	

members

Name	Type	Description
name	string	Local user, Active Directory user, or Active Directory group which is a member of the specified local group.

svm

SVM, applies only to SVM-scoped objects.

Name	Type	Description
_links	_links	
name	string	The name of the SVM. This field cannot be specified in a PATCH method.
uuid	string	The unique identifier of the SVM. This field cannot be specified in a PATCH method.

local_cifs_group

Name	Type	Description
_links	_links	

Name	Type	Description
description	string	Description for the local group.
members	array[members]	
name	string	Local group name. The maximum supported length of a group name is 256 characters.
sid	string	The security ID of the local group which uniquely identifies the group. The group SID is automatically generated in POST and it is retrieved using the GET method.
svm	svm	SVM, applies only to SVM-scoped objects.

error_arguments

Name	Type	Description
code	string	Argument code
message	string	Message argument

returned_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.

Create the local group configuration for an SVM

POST `/protocols/cifs/local-groups`

Introduced In: 9.9

Creates the local group configuration for the specified SVM.

Important notes

- The group name can contain up to 256 characters.
- The group name cannot be terminated by a period.
- The group name does not support any of the following characters: " / ? [ ] , : \| < > + = ; ? * @ or ASCII characters in the range 1-31.

Required properties

- `svm.uuid` or `svm.name` - Existing SVM in which to create the local group.
- `name` - Name of the local group.

Related ONTAP commands

- `vserver cifs users-and-groups local-group create`

Learn more

- DOC /protocols/cifs/local-groups

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
description	string	Description for the local group.
members	array[members]	
name	string	Local group name. The maximum supported length of a group name is 256 characters.
sid	string	The security ID of the local group which uniquely identifies the group. The group SID is automatically generated in POST and it is retrieved using the GET method.

Name	Type	Description
svm	svm	SVM, applies only to SVM-scoped objects.

Example request

```
{
  "description": "This is a local group",
  "members": [
    {
      "name": "string"
    }
  ],
  "name": "SMB_SERVER01\\group",
  "sid": "S-1-5-21-256008430-3394229847-3930036330-1001",
  "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
262278	Name is a required field.
655399	CIFS server must exist to create a local group.

Error Code	Description
655660	The operation is allowed only on data SVMs.
655661	The group name and description should not exceed 256 characters.
655668	The specified group name contains illegal characters.
655675	The local domain name specified in the group name does not exist.
655677	This operation does not allow for the creation of a group in the BUILTIN domain.
655682	The group name cannot be blank.
655717	The specified group name already exists.
2621706	The specified SVM UUID is incorrect for the specified SVM name.

Definitions

See Definitions

href

Name	Type	Description
href	string	

_links

members

Name	Type	Description
name	string	Local user, Active Directory user, or Active Directory group which is a member of the specified local group.

svm

SVM, applies only to SVM-scoped objects.

Name	Type	Description
name	string	The name of the SVM. This field cannot be specified in a PATCH method.
uuid	string	The unique identifier of the SVM. This field cannot be specified in a PATCH method.

local_cifs_group

Name	Type	Description
description	string	Description for the local group.
members	array[members]	
name	string	Local group name. The maximum supported length of a group name is 256 characters.
sid	string	The security ID of the local group which uniquely identifies the group. The group SID is automatically generated in POST and it is retrieved using the GET method.

Name	Type	Description
svm	svm	SVM, applies only to SVM-scoped objects.

error_arguments

Name	Type	Description
code	string	Argument code
message	string	Message argument

returned_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.

Delete a local group configuration for an SVM

DELETE `/protocols/cifs/local-groups/{svm.uuid}/{sid}`

Introduced In: 9.10

Deletes a local group configuration for the specified SVM.

Related ONTAP commands

- `vserver cifs users-and-groups local-group delete`

Learn more

- DOC /protocols/cifs/local-groups

Parameters

Name	Type	In	Required	Description
sid	string	path	True	Local group SID

Name	Type	In	Required	Description
svm.uuid	string	path	True	UUID of the SVM to which this object belongs.

Response

```
Status: 200, Ok
```

Error

```
Status: Default, Error
```

Name	Type	Description
error	returned_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

returned_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 local group information for a group and SVM

GET `/protocols/cifs/local-groups/{svm.uuid}/{sid}`

Introduced In: 9.10

Retrieves local group information for the specified group and SVM.

Advanced properties

- `members`

Related ONTAP commands

- `vserver cifs users-and-groups local-group show`
- `vserver cifs users-and-groups local-group show-members`

Learn more

- DOC /protocols/cifs/local-groups

Parameters

Name	Type	In	Required	Description
sid	string	path	True	Local group SID
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	
description	string	Description for the local group.
members	array[members]	
name	string	Local group name. The maximum supported length of a group name is 256 characters.
sid	string	The security ID of the local group which uniquely identifies the group. The group SID is automatically generated in POST and it is retrieved using the GET method.
svm	svm	SVM, applies only to SVM-scoped objects.

Example response


```
{
  "_links": {
    "self": {
      "href": "/api/resourcelink"
    }
  },
  "description": "This is a local group",
  "members": [
    {
      "name": "string"
    }
  ],
  "name": "SMB_SERVER01\\group",
  "sid": "S-1-5-21-256008430-3394229847-3930036330-1001",
  "svm": {
    "_links": {
      "self": {
        "href": "/api/resourcelink"
      }
    },
    "name": "svm1",
    "uuid": "02c9e252-41be-11e9-81d5-00a0986138f7"
  }
}
```


Error

```
Status: Default, Error
```

Name	Type	Description
error	returned_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	

members

Name	Type	Description
name	string	Local user, Active Directory user, or Active Directory group which is a member of the specified local group.

svm

SVM, applies only to SVM-scoped objects.

Name	Type	Description
_links	_links	
name	string	The name of the SVM. This field cannot be specified in a PATCH method.
uuid	string	The unique identifier of the SVM. This field cannot be specified in a PATCH method.

error_arguments

Name	Type	Description
code	string	Argument code
message	string	Message argument

returned_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 local group information for a group in an SVM

PATCH `/protocols/cifs/local-groups/{svm.uuid}/{sid}`

Introduced In: 9.10

Updates the local group information of the specified group in the specified SVM. This API can also be used to rename a local group.

Related ONTAP commands

- `vserver cifs users-and-groups local-group modify`
- `vserver cifs users-and-groups local-group rename`

Learn more

- DOC /protocols/cifs/local-groups

Parameters

Name	Type	In	Required	Description
sid	string	path	True	Local group SID
svm.uuid	string	path	True	UUID of the SVM to which this object belongs.

Request Body

Name	Type	Description
description	string	Description for the local group.
members	array[members]	

Name	Type	Description
name	string	Local group name. The maximum supported length of a group name is 256 characters.
sid	string	The security ID of the local group which uniquely identifies the group. The group SID is automatically generated in POST and it is retrieved using the GET method.
svm	svm	SVM, applies only to SVM-scoped objects.

Example request

```
{
  "description": "This is a local group",
  "members": [
    {}
  ],
  "name": "SMB_SERVER01\\group",
  "sid": "S-1-5-21-256008430-3394229847-3930036330-1001",
  "svm": {
    "name": "svm1",
    "uuid": "02c9e252-41be-11e9-81d5-00a0986138f7"
  }
}
```

Response

```
Status: 200, Ok
```

Error

```
Status: Default
```

ONTAP Error Response Codes

Error Code	Description
655661	The group name and description should not exceed 256 characters.
655668	The specified group name contains illegal characters.
655675	The local domain name specified in the group name does not exist.
655682	The group name cannot be blank.
655712	To rename an existing group, the local domain specified in name must match the local domain of the group to be renamed.
655713	Failed to rename a group. The error code returned details the failure along with the reason for the failure. Take corrective actions as per the specified reason.

Definitions

See Definitions

href

Name	Type	Description
href	string	

_links

members

svm

SVM, applies only to SVM-scoped objects.

Name	Type	Description
name	string	The name of the SVM. This field cannot be specified in a PATCH method.
uuid	string	The unique identifier of the SVM. This field cannot be specified in a PATCH method.

local_cifs_group

Name	Type	Description
description	string	Description for the local group.
members	array[members]	
name	string	Local group name. The maximum supported length of a group name is 256 characters.
sid	string	The security ID of the local group which uniquely identifies the group. The group SID is automatically generated in POST and it is retrieved using the GET method.
svm	svm	SVM, applies only to SVM-scoped objects.

error_arguments

Name	Type	Description
code	string	Argument code
message	string	Message argument

returned_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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