Manage UNIX group users

REST API reference

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Manage UNIX group users

Manage UNIX group users

Overview

You can use this API to retrieve, add or delete UNIX users for an SVM’s UNIX group.

Retrieving UNIX users from an SVM’s UNIX group

The UNIX group users GET endpoint retrieves UNIX users of the specified UNIX group and the SVM.

Examples

Retrieving all users from the group 'pcuser'

```
# The API:
/api/name-services/unix-groups/{svm.uuid}/{unix_group.name}/users

# The call:
curl -X GET "https://<mgmt-ip>/api/name-services/unix-groups/f06686a2-
c901-11eb-94b4-0050568e9f2c/pcuser/users" -H "accept:
application/hal+json"

# The response:
{
 "records": [
 {
  "svm": {
    "uuid": "f06686a2-c901-11eb-94b4-0050568e9f2c",
    "name": "svm1"
  },
  "unix_group": {
    "name": "pcuser"
  },
  "name": "user1",
  "_links": {
    "self": {
      "href": "/api/name-services/unix-groups/f06686a2-c901-11eb-94b4-
0050568e9f2c/pcuser/users/user1"
    }
  }
 }
],
 "num_records": 1,
 "_links": {
 "self": {
   "href": "/api/name-services/unix-groups/f06686a2-c901-11eb-94b4-
0050568e9f2c/pcuser/users/?fields=*"
 }
}
}
```

Retrieving user 'user1' from the group 'pcuser'

```
# The API:
/api/name-services/unix-groups/{svm.uuid}/{unix_group.name}/users/{name}

# The call:
curl -X GET "https://<mgmt-ip>/api/name-services/unix-groups/f06686a2-
c901-11eb-94b4-0050568e9f2c/pcuser/users/user1" -H "accept:
application/hal+json"

# The response:
{
 "svm": {
 "uuid": "f06686a2-c901-11eb-94b4-0050568e9f2c",
 "name": "svm1"
 },
 "unix_group": {
 "name": "pcuser"
 },
 "name": "user1",
 "_links": {
 "self": {
   "href": "/api/name-services/unix-groups/f06686a2-c901-11eb-94b4-
0050568e9f2c/pcuser/users/user1"
 }
}
}
```

Adding users to a UNIX group

The UNIX group users POST endpoint adds UNIX users to the specified UNIX group and the SVM. Multiple users can be added in a single call using the "records" parameter.

Examples

Adding a single user to the group 'group1'

```
# The API:
/api/name-services/unix-groups/{svm.uuid}/{unix_group.name}/users

# The call:
curl -X POST "https://<mgmt-ip>/api/name-services/unix-groups/179d3c85-
7053-11e8-b9b8-005056b41bd1/group1/users" -H "accept:
application/hal+json" -H "Content-Type: application/json" -d '{ "name":
"user4" }'
```

Adding multiple users to the group 'group1' in a single REST call

```
# The API:
/api/name-services/unix-groups/{svm.uuid}/{unix_group.name}/users

# The call:
curl -X POST "https://<mgmt-ip>/api/name-services/unix-groups/179d3c85-
7053-11e8-b9b8-005056b41bd1/group1/users" -H "accept:
application/hal+json" -H "Content-Type: application/json" -d '{ "records":
[{"name":"user1"}, {"name":"user2"}, {"name":"user3"}]}'
```

Deleting a user from a group of a specific SVM

Example

Delete the user 'user1' from group 'group1' in SVM 'vs1'

```
# The API:
/api/name-services/unix-groups/{svm.uuid}/{unix_group.name}/users/{name}

# The call:
curl -X DELETE "https://<mgmt-ip>/api/name-services/unix-groups/179d3c85-
7053-11e8-b9b8-005056b41bd1/group1/users/user1" -H "accept:
application/hal+json"
```

Retrieve users for a UNIX group and SVM

GET `/name-services/unix-groups/{svm.uuid}/{unix_group.name}/users`

Introduced In: 9.10

Retrieves users for the specified UNIX group and SVM.

Related ONTAP commands

- `vserver services name-service unix-group show`

Parameters

Name	Type	In	Required	Description
unix_group.name	string	path	True	UNIX group name.
name	string	query	False	Filter by name

Name	Type	In	Required	Description
svm.uuid	string	path	True	UUID of the SVM to which this object belongs.
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: 15 • 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 UNIX user records in a given SVM and group.
records	array[unix_group_users]	

Example response


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

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	

records

Name	Type	Description
name	string	UNIX user who belongs to the specified UNIX group and the SVM.

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.

unix_group

Name	Type	Description
name	string	UNIX group name.

unix_group_users

Name	Type	Description
_links	_links	
name	string	UNIX user who belongs to the specified UNIX group and the SVM.
svm	svm	SVM, applies only to SVM-scoped objects.
unix_group	unix_group	

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.

Add users to a UNIX group and SVM

POST `/name-services/unix-groups/{svm.uuid}/{unix_group.name}/users`

Introduced In: 9.9

Adds users to the specified UNIX group and SVM.

Important notes

- Multiple users can be added in a single call using the "records" parameter.
- "records" parameter must not be specified when "name" parameter is specified.

- Specified users are appended to the existing list of users.
- Duplicate users are ignored.

Related ONTAP commands

- `vserver services name-service unix-group adduser`
- `vserver services name-service unix-group addusers`

Parameters

Name	Type	In	Required	Description
unix_group.name	string	path	True	UNIX group name.
return_records	boolean	query	False	The default is false. If set to true, the records are returned. • Default value:
svm.uuid	string	path	True	UUID of the SVM to which this object belongs.

Request Body

Name	Type	Description
name	string	UNIX user who belongs to the specified UNIX group and the SVM.
records	array[records]	An array of UNIX users specified to add multiple users to a UNIX group in a single API call. Not allowed when the `name` property is used.
skip_name_validation	boolean	Indicates whether or not the validation for the specified UNIX user names is disabled.
svm	svm	SVM, applies only to SVM-scoped objects.
unix_group	unix_group	

Example request

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

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
262179	Invalid arguments in records.
3276897	The specified UNIX group does not exist in the SVM.
3277025	Maximum supported limit of UNIX group membership count reached.

Error Code	Description
3277051	Invalid characters in user name. Valid characters are 0-9, A-Z, a-z, ".", "_" and "-". Names cannot start with "-".
23724066	User name too long. Maximum supported length is 64 characters.
23724142	"records" field must not be specified when a single user is added.
23724143	SVM UUID, UNIX group name and skip-name-validation are invalid fields for "records" parameter.

Definitions

See Definitions

href

Name	Type	Description
href	string	

_links

records

Name	Type	Description
name	string	UNIX user who belongs to the specified UNIX group and the SVM.

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.

unix_group

Name	Type	Description
name	string	UNIX group name.

unix_group_users

Name	Type	Description
name	string	UNIX user who belongs to the specified UNIX group and the SVM.

Name	Type	Description
records	array[records]	An array of UNIX users specified to add multiple users to a UNIX group in a single API call. Not allowed when the `name` property is used.
skip_name_validation	boolean	Indicates whether or not the validation for the specified UNIX user names is disabled.
svm	svm	SVM, applies only to SVM-scoped objects.
unix_group	unix_group	

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 user from a UNIX group

DELETE `/name-services/unix-groups/{svm.uuid}/{unix_group.name}/users/{name}`

Introduced In: 9.9

Deletes a user from the specified UNIX group.

Related ONTAP commands

- `vserver services name-service unix-group deluser`

Parameters

Name	Type	In	Required	Description
unix_group.name	string	path	True	UNIX group name.
name	string	path	True	UNIX user to be deleted from the group.
svm.uuid	string	path	True	UUID of the SVM to which this object belongs.

Response

```
Status: 200, Ok
```

Error

```
Status: Default
```

ONTAP Error Response Codes

Error Code	Description
3276897	The specified UNIX group does not exist in the SVM.

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 users for a UNIX group and SVM

GET `/name-services/unix-groups/{svm.uuid}/{unix_group.name}/users/{name}`

Introduced In: 9.10

Retrieves users for the specified UNIX group and SVM.

Related ONTAP commands

- `vserver services name-service unix-group show`

Parameters

Name	Type	In	Required	Description
unix_group.name	string	path	True	UNIX group name.
name	string	path	True	UNIX user to be retrieved from the group.
fields	array[string]	query	False	Specify the fields to return.
svm.uuid	string	path	True	UUID of the SVM to which this object belongs.

Response

```
Status: 200, Ok
```

Name	Type	Description
_links	_links	
name	string	UNIX user who belongs to the specified UNIX group and the SVM.
svm	svm	SVM, applies only to SVM-scoped objects.
unix_group	unix_group	

Example response


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


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	

records

Name	Type	Description
name	string	UNIX user who belongs to the specified UNIX group and the SVM.

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.

unix_group

Name	Type	Description
name	string	UNIX group name.

error_arguments

Name	Type	Description
code	string	Argument code

Name	Type	Description
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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