



# Manage UNIX group configurations

ONTAP 9.13.1 REST API reference

NetApp  
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# Manage UNIX group configurations

## Name-services unix-groups endpoint overview

### Overview

You can use this API to display local UNIX group information and to control UNIX group configurations.

### Retrieving UNIX group information

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

### Examples

#### Retrieving all of the fields for all of the UNIX group configurations

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

```
# The API:
/api/name-services/unix-groups

# The call:
curl -X GET "https://<mgmt-ip>/api/name-services/unix-groups?fields=*" -H
"accept: application/hal+json"

# The response:
{
  "records": [
    {
      "svm": {
        "uuid": "b009a9e7-4081-b576-7575-ada21efcaf16",
        "name": "vs1",
        "_links": {
          "self": {
            "href": "/api/svm/svms/b009a9e7-4081-b576-7575-ada21efcaf16"
          }
        }
      },
      "name": "group1",
      "id": 11,
      "users": [
        {
          "name": "user1"
        },
        {
          "name": "user2"
        }
      ]
    }
  ]
}
```

```

    },
    {
      "name": "user3"
    }
  ],
  "_links": {
    "self": {
      "href": "/api/name-services/unix-groups/b009a9e7-4081-b576-7575-ada21efcaf16/group1"
    }
  }
},
{
  "svm": {
    "uuid": "b009a9e7-4081-b576-7575-ada21efcaf16",
    "name": "vs1",
    "_links": {
      "self": {
        "href": "/api/svm/svms/b009a9e7-4081-b576-7575-ada21efcaf16"
      }
    }
  },
  "name": "group2",
  "id": 12,
  "users": [
    {
      "name": "user1"
    },
    {
      "name": "user2"
    }
  ],
  "_links": {
    "self": {
      "href": "/api/name-services/unix-groups/b009a9e7-4081-b576-7575-ada21efcaf16/group2"
    }
  }
},
{
  "svm": {
    "uuid": "b009a9e7-4081-b576-7575-ada21efcad17",
    "name": "vs2",
    "_links": {
      "self": {
        "href": "/api/svm/svms/b009a9e7-4081-b576-7575-ada21efcad17"
      }
    }
  }
}

```

```

    }
  },
  "name": "group1",
  "id": 11,
  "users": [
    {
      "name": "user2"
    },
    {
      "name": "user3"
    }
  ],
  "_links": {
    "self": {
      "href": "/api/name-services/unix-groups/b009a9e7-4081-b576-7575-ada21efcad17/group1"
    }
  }
},
"num_records": 3,
"_links": {
  "self": {
    "href": "/api/name-services/unix-groups?fields=*"
  }
}
}

```

**Retrieving all of the UNIX group configurations whose group name is 'group1'.**

```

# The API:
/api/name-services/unix-groups

# The call:
curl -X GET "https://<mgmt-ip>/api/name-services/unix-groups?name=group1"
-H "accept: application/hal+json"

# The response:
{
  "records": [
    {
      "svm": {
        "uuid": "b009a9e7-4081-b576-7575-ada21efcaf16",
        "name": "vs1",
        "_links": {
          "self": {
            "href": "/api/svm/svms/b009a9e7-4081-b576-7575-ada21efcaf16"
          }
        }
      },
      "name": "group1",
      "id": 11,
      "_links": {
        "self": {
          "href": "/api/name-services/unix-groups/b009a9e7-4081-b576-7575-ada21efcaf16/group1"
        }
      }
    },
  ],
  "num_records": 1,
  "_links": {
    "self": {
      "href": "/api/name-services/unix-groups?name=group1"
    }
  }
}

```

## Creating a UNIX group configuration

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

### Example

```
# The API:
/api/name-services/unix-groups

# The call:
curl -X POST "https://<mgmt-ip>/api/name-services/unix-groups" -H "accept:
application/hal+json" -H "Content-Type: application/json" -d '{"svm":
{"uuid": "179d3c85-7053-11e8-b9b8-005056b41bd1"}, "name": "group1", "id":
111}'
```

## Updating a UNIX group configuration

The UNIX group PATCH endpoint updates the UNIX group ID of the specified UNIX group and the specified SVM.

### Example

#### Modify the group ID of group1 to 112

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

# The call:
curl -X PATCH "https://<mgmt-ip>/api/name-services/unix-groups/179d3c85-
7053-11e8-b9b8-005056b41bd1/group1" -H "accept: application/hal+json" -H
"Content-Type: application/json" -d '{"id": 112}'
```

## Deleting a UNIX group configuration

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

### Example

#### Delete the group 'group1'

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

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

# Retrieve UNIX groups for all SVMs

GET /name-services/unix-groups

**Introduced In:** 9.9

Retrieves the UNIX groups for all of the SVMs. UNIX users who are the members of the group are also displayed.

## Related ONTAP commands

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

## Learn more

- [DOC /name-services/unix-groups](#)

## Parameters

| Name           | Type          | In    | Required | Description   |
|----------------|---------------|-------|----------|---|
| name           | string        | query | False    | Filter by name  |
| id             | integer       | query | False    | Filter by id  |
| users.name     | string        | query | False    | Filter by users.name  |
| svm.uuid       | string        | query | False    | Filter by svm.uuid  |
| svm.name       | string        | query | False    | Filter by svm.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.<br><ul style="list-style-type: none"><li>• Default value: 1</li></ul> |



| Name           | Type          | In    | Required | Description  |
|----------------|---------------|-------|----------|--|
| return_timeout | integer       | query | False    | <p>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.</p> <ul style="list-style-type: none"> <li>• Default value: 1</li> <li>• Max value: 120</li> <li>• Min value: 0</li> </ul> |
| order_by       | array[string] | query | False    | Order results by specified fields and optional [asc  |

## Response

Status: 200, Ok

| Name                   | Type                                | Description                        |
|------------------------|-------------------------------------|------------------------------------|
| <a href="#">_links</a> | <a href="#">_links</a>              |                                    |
| current_count          | integer                             | Number of UNIX groups and members. |
| num_records            | integer                             | Number of UNIX group records.      |
| records                | array[ <a href="#">unix_group</a> ] |                                    |

## Example response

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

## 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 | <a href="#">href</a> |             |
| self | <a href="#">href</a> |             |

\_links

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

svm

| Name   | Type                   | Description                       |
|--------|------------------------|-----------------------------------|
| _links | <a href="#">_links</a> |                                   |
| name   | string                 | The name of the SVM.              |
| uuid   | string                 | The unique identifier of the SVM. |

users

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

unix\_group

| Name   | Type                   | Description  |
|--------|------------------------|--|
| _links | <a href="#">_links</a> |  |
| id     | integer                | UNIX group ID of the specified user.               |
| name   | string                 | UNIX group name to be added to the local database. |

| Name                 | Type                           | Description  |
|----------------------|--------------------------------|--|
| skip_name_validation | boolean                        | Indicates whether or not the validation for the specified UNIX group name is disabled. |
| svm                  | <a href="#">svm</a>            |  |
| users                | array[ <a href="#">users</a> ] |  |

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. |

## Create the local UNIX group configuration for an SVM

POST [/name-services/unix-groups](#)

**Introduced In:** 9.9

Creates the local UNIX group configuration for the specified SVM.

Group name and group ID are mandatory parameters.

### Important notes

- The default limit for local UNIX groups and group members is 32768.

### Learn more

- [DOC /name-services/unix-groups](#)

## Parameters

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

## Request Body

| Name                 | Type                           | Description  |
|----------------------|--------------------------------|--|
| _links               | <a href="#">_links</a>         |  |
| id                   | integer                        | UNIX group ID of the specified user.   |
| name                 | string                         | UNIX group name to be added to the local database.                                     |
| skip_name_validation | boolean                        | Indicates whether or not the validation for the specified UNIX group name is disabled. |
| svm                  | <a href="#">svm</a>            |  |
| users                | array[ <a href="#">users</a> ] |  |

## Example request

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

## 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   |
|------------|---|
| 2621706    | The specified SVM UUID is incorrect for the specified SVM name. |

| Error Code | Description   |
|------------|---|
| 3277025    | Maximum supported limit of UNIX group count reached.  |
| 3277051    | Invalid characters in group name. Valid characters are 0-9, A-Z, a-z, ".", "_", and "-". Names cannot start with "-". |
| 23724067   | Group name too long. Maximum supported length is 64 characters.   |
| 23724141   | Duplicate group ID. Group ID must be unique.  |

| 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 | <a href="#">href</a> |             |

svm

| Name   | Type                   | Description                       |
|--------|------------------------|-----------------------------------|
| _links | <a href="#">_links</a> |                                   |
| name   | string                 | The name of the SVM.              |
| uuid   | string                 | The unique identifier of the SVM. |

users

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

unix\_group

| Name                 | Type                           | Description  |
|----------------------|--------------------------------|--|
| _links               | <a href="#">_links</a>         |  |
| id                   | integer                        | UNIX group ID of the specified user.   |
| name                 | string                         | UNIX group name to be added to the local database.                                     |
| skip_name_validation | boolean                        | Indicates whether or not the validation for the specified UNIX group name is disabled. |
| svm                  | <a href="#">svm</a>            |  |
| users                | array[ <a href="#">users</a> ] |  |

## 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. |

## Delete UNIX group configuration for an SVM

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

**Introduced In:** 9.9

Deletes a UNIX group configuration for the specified SVM.

### Related ONTAP commands

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

### Learn more

- [DOC /name-services/unix-groups](#)

### Parameters

| Name     | Type   | In   | Required | Description                                   |
|----------|--------|------|----------|---|
| name     | string | path | True     | UNIX group name.                              |
| 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 | 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 |

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. |

## Retrieve UNIX group information for a group and SVM

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

**Introduced In:** 9.9

Retrieves UNIX group information for the specified group and SVM. UNIX users who are part of this group are also retrieved.

### Related ONTAP commands

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

### Learn more

- [DOC /name-services/unix-groups](#)

### Parameters

| Name | Type   | In   | Required | Description      |
|------|--------|------|----------|------------------|
| name | string | path | True     | UNIX group 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.                 |

## Response

Status: 200, Ok

| Name                   | Type                           | Description  |
|------------------------|--------------------------------|--|
| <a href="#">_links</a> | <a href="#">_links</a>         |  |
| id                     | integer                        | UNIX group ID of the specified user.   |
| name                   | string                         | UNIX group name to be added to the local database.                                     |
| skip_name_validation   | boolean                        | Indicates whether or not the validation for the specified UNIX group name is disabled. |
| svm                    | <a href="#">svm</a>            |  |
| users                  | array[ <a href="#">users</a> ] |  |

## Example response

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

## 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 |
|------|----------------------|-------------|
| self | <a href="#">href</a> |             |

svm

| Name   | Type                   | Description                       |
|--------|------------------------|-----------------------------------|
| _links | <a href="#">_links</a> |                                   |
| name   | string                 | The name of the SVM.              |
| uuid   | string                 | The unique identifier of the SVM. |

users

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

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     |



| Name   | Type   | Description                                 |
|--------|--------|---|
| target | string | The target parameter that caused the error. |

## Update UNIX group information for a group in an SVM

PATCH /name-services/unix-groups/{svm.uuid}/{name}

**Introduced In:** 9.9

Updates the UNIX group information of the specified group in the specified SVM.

### Learn more

- [DOC /name-services/unix-groups](#)

### Parameters

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

### Request Body

| Name                 | Type                           | Description  |
|----------------------|--------------------------------|--|
| _links               | <a href="#">_links</a>         |  |
| id                   | integer                        | UNIX group ID of the specified user.   |
| name                 | string                         | UNIX group name to be added to the local database.                                     |
| skip_name_validation | boolean                        | Indicates whether or not the validation for the specified UNIX group name is disabled. |
| svm                  | <a href="#">svm</a>            |  |
| users                | array[ <a href="#">users</a> ] |  |

## Example request

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

## Response

Status: 200, Ok

## Error

Status: Default

### ONTAP Error Response Codes

| Error Code | Description                                  |
|------------|--|
| 23724141   | Duplicate group ID. Group ID must be unique. |

| 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 | <a href="#">href</a> |             |

svm

| Name   | Type                   | Description                       |
|--------|------------------------|-----------------------------------|
| _links | <a href="#">_links</a> |                                   |
| name   | string                 | The name of the SVM.              |
| uuid   | string                 | The unique identifier of the SVM. |

users

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

unix\_group

| Name                 | Type                           | Description  |
|----------------------|--------------------------------|--|
| _links               | <a href="#">_links</a>         |  |
| id                   | integer                        | UNIX group ID of the specified user.   |
| name                 | string                         | UNIX group name to be added to the local database.                                     |
| skip_name_validation | boolean                        | Indicates whether or not the validation for the specified UNIX group name is disabled. |
| svm                  | <a href="#">svm</a>            |  |
| users                | array[ <a href="#">users</a> ] |  |

## 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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