



Manage UNIX group configurations

ONTAP 9.12.1 REST API reference

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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 |
| users.name | string | query | False | Filter by users.name |
| id | integer | query | False | Filter by id |
| 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. • Default value: 1 |

| 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"> • 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 | |
| current_count | integer | Number of UNIX groups and members. |
| num_records | integer | Number of UNIX group records. |
| records | array[unix_group] | |

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 | 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. |

users

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

unix_group

| Name | Type | Description |
|--------|------------------------|--|
| _links | _links | |
| 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 | svm | |
| users | array[users] | |

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. |

Create a 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. • Default value: |

Request Body

| Name | Type | Description |
|----------------------|--------------------------------|--|
| _links | _links | |
| 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 | svm | |
| users | array[users] | |

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 | href | |

svm

| Name | Type | Description |
|--------|------------------------|-----------------------------------|
| _links | _links | |
| 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 | _links | |
| 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 | svm | |
| users | array[users] | |

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. |

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[error_arguments] | 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 |
|----------------------|--------------------------------|--|
| _links | _links | |
| 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 | svm | |
| users | array[users] | |

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 | 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. |

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[error_arguments] | 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 | _links | |
| 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 | svm | |
| users | array[users] | |

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 | href | |

svm

| Name | Type | Description |
|--------|------------------------|-----------------------------------|
| _links | _links | |
| 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 | _links | |
| 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 | svm | |
| users | array[users] | |

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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