

# SCIM GroupUser examples

## Operations

This page shows the operations that can be performed for the object that establishes the relationship between groups and users. You can add, delete and or modify users in a group.

## List all

### Request

```
GET http://<your-domain>/soffid/webservice/scim2/v1/GroupUser
```

### Response 200 OK

```
{
  "schemas": [
    "urn:ietf:params:scim:api:messages:2.0:ListResponse"
  ],
  "totalResults": 25,
  "startIndex": 1,
  "Resources": [
    {
      "groupDescription": "Enterprise",
      "meta": {
        "location": "http://soffid.pat.lab:8080/soffid/webservice/scim2/v1/GroupUser/480412",
        "resourceType": "GroupUser"
      },
      "schemas": [
        "urn:soffid:com:soffid:iam:api:GroupUser"
      ],
      "start": "2020-07-02 12:14:48",
      "fullName": "test User",
      "disabled": false,

```

```
"attributes": {},
"id": 480412,
"user": "test2",
"primaryGroup": false,
"group": "enterprise"
},
{
  "groupDescription": "World Modified",
  "meta": {
    "location": "http://soffid.pat.lab:8080/soffid/webservice/scim2/v1/GroupUser/503629",
    "resourceType": "GroupUser"
  },
  "schemas": [
    "urn:soffid:com.soffid.iam.api.GroupUser"
  ],
  "start": "2020-08-06 15:52:12",
  "fullName": "test User",
  "end": "2021-02-26 13:05:44",
  "disabled": true,
  "attributes": {},
  "id": 503629,
  "user": "test2",
  "primaryGroup": false,
  "group": "world2"
},
{
  "groupDescription": "Enterprise Administrators Group",
  "meta": {
    "location": "http://soffid.pat.lab:8080/soffid/webservice/scim2/v1/GroupUser/1182887",
    "resourceType": "GroupUser"
  },
  "schemas": [
    "urn:soffid:com.soffid.iam.api.GroupUser"
  ],
  "start": "2020-12-31 16:48:58",
  "fullName": "John Smith",
  "disabled": false,
  "attributes": {
    "comments": "This is a test",
```

```

        "startDate": "2021-01-01 00:00:00"
      },
      "id": 1182887,
      "user": "jsmith",
      "primaryGroup": false,
      "group": "admingroup"
    },
    .....
  ]
}

```

## List by filter

List all GroupUsers with a filter expression.

It is allowed to use pagination and sort the information, for more information visit the [Sorting and Pagination](#) information.

### Request

```
GET http://<your-domain>/soffid/webservice/scim2/v1/GroupUser?filter=groupDescription eq "Help desk support team"
```

### Response 200 OK

```

{
  "schemas": [
    "urn:ietf:params:scim:api:messages:2.0:ListResponse"
  ],
  "totalResults": 15,
  "startIndex": 1,
  "Resources": [
    {
      "groupDescription": "Help desk support team",
      "meta": {
        "location": "http://soffid.pat.lab:8080/soffid/webservice/scim2/v1/GroupUser/1519688",
        "resourceType": "GroupUser"
      },
    },
  ],
}

```

```

"schemas": [
  "urn:soffid:com.soffid.iam.api.GroupUser"
],
"start": "2021-02-20 17:59:15",
"fullName": "Dilbert ADAMS .",
"end": "2021-03-12 10:38:42",
"disabled": true,
"attributes": {
  "comments": "Comments",
  "startDate": "2021-02-20 00:00:00"
},
"id": 1519688,
"user": "dilbert",
"primaryGroup": false,
"group": "it"
},
{
  "groupDescription": "Help desk support team",
  "meta": {
    "location": "http://soffid.pat.lab:8080/soffid/webservice/scim2/v1/GroupUser/1974296",
    "resourceType": "GroupUser"
  },
  "schemas": [
    "urn:soffid:com.soffid.iam.api.GroupUser"
  ],
  "start": "2021-05-05 12:49:51",
  "fullName": "John Smith",
  "disabled": false,
  "attributes": {
    "startDate": "2021-05-04 00:00:00"
  },
  "id": 1974296,
  "user": "jsmith",
  "primaryGroup": false,
  "group": "it"
},
.....
]
}

```

# Query by id

Query a GroupUser by its id (primary key).

## Request

```
GET http://<your-domain>/soffid/webservice/scim2/v1/GroupUser/1974296
```

## Response 200 OK

```
{
  "groupDescription": "Help desk support team",
  "meta": {
    "location": "http://soffid.pat.lab:8080/soffid/webservice/scim2/v1/GroupUser/1974296",
    "resourceType": "GroupUser"
  },
  "schemas": [
    "urn:soffid:com.soffid.iam.api.GroupUser"
  ],
  "start": "2021-05-05 12:49:51",
  "fullName": "John Smith",
  "disabled": false,
  "attributes": {
    "startDate": "2021-05-04 00:00:00"
  },
  "id": 1974296,
  "user": "jsmith",
  "primaryGroup": false,
  "group": "it"
}
```

# Create

This option allows you to add a user to a specific group.

## Request

```
POST http://<your-domain>/soffid/webservice/scim2/v1/GroupUser
```

## JSON

```
{
  "schemas": [
    "urn:soffid:com.soffid.iam.api.GroupUser"
  ],
  "group": "it",
  "groupDescription": "Help desk support team",
  "user": "ckelp",
  "fullName": "Casey Kelp",
  "primaryGroup": true,
  "attributes": {}
}
```

## Response 201 Created

```
{
  "groupDescription": "Help desk support team",
  "meta": {
    "location": "http://soffid.pat.lab:8080/soffid/webservice/scim2/v1/GroupUser/1976741",
    "resourceType": "GroupUser"
  },
  "schemas": [
    "urn:soffid:com.soffid.iam.api.GroupUser"
  ],
  "start": "2021-05-11 10:39:23",
  "fullName": "Casey Kelp",
  "disabled": false,
  "attributes": {},
  "id": 1976741,
  "user": "ckelp",
  "primaryGroup": true,
  "group": "it"
}
```

## Update partial

Only attributes with changes will be updated, the other will maintain the same value.

## Request

PATCH http://<your-domain>/soffid/webservice/scim2/v1/GroupUser/1976741

## JSON

```
{
  "Operations": [
    {
      "op": "replace",
      "path": "groupDescription",
      "value": "Enterprise engineering team"
    },
    {
      "op": "replace",
      "path": "group",
      "value": "EngineeringTeam"
    }
  ]
}
```

## Response 200 OK

```
{
  "groupDescription": "Enterprise engineering team",
  "meta": {
    "location": "http://soffid.pat.lab:8080/soffid/webservice/scim2/v1/GroupUser/1976741",
    "resourceType": "GroupUser"
  },
  "schemas": [
    "urn:soffid:com.soffid.iam.api.GroupUser"
  ],
  "start": "2021-05-11 10:39:23",
  "fullName": "Casey Kelp",
  "disabled": false,
  "attributes": {},
  "id": 1976741,
  "user": "ckelp",
  "primaryGroup": true,
  "group": "EngineeringTeam"
}
```

# Update all

This operation replaces all values in the GroupUser.

- Note that the attribute id is required to confirm that the resource "...GroupUser/<id>" is the same that the JSON GroupUser.
- Note that all the attributes not included in the request will be cleared in the GroupUser type and their data will be lost.
- Note that not all the attributes are updatable, for example, tag meta, avoid these tags.

For more information see [Resource data model page](#)

## Request

```
PUT http://<your-domain>/soffid/webservice/scim2/v1/GroupUser/1976741
```

## JSON

```
{
  "schemas": [
    "urn:soffid:com.soffid.iam.api.GroupUser"
  ],
  "id": 1976741,
  "group": "it",
  "groupDescription": "Help desk support team",
  "user": "ckelp",
  "fullName": "Casey Kelp",
  "primaryGroup": true,
  "attributes": {}
}
```

## Response 200 OK

```
{
  "groupDescription": "Help desk support team",
  "meta": {
    "location": "http://soffid.pat.lab:8080/soffid/webservice/scim2/v1/GroupUser/1976741",
    "resourceType": "GroupUser"
  },
  "schemas": [
    "urn:soffid:com.soffid.iam.api.GroupUser"
  ]
}
```



```
],
"fullName": "Casey Kelp",
"disabled": false,
"attributes": {},
"id": 1976741,
"user": "ckelp",
"primaryGroup": true,
"group": "it"
}
```

## Delete

This option allows you to remove a user from a specific group.

Please note after this delete, the group user has to be created again to use it in the next examples.

### Request

```
DELETE http://<your-omain>/soffid/webservice/scim2/v1/GroupUser/1976741
```

### Response 204 No Content

```
204 No Content
```

## Error response

For more information about error response visit  
<https://bookstack.soffid.com/link/116#bkmrk-error-response>

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