

# SCIM Group examples

## Operations

This page shows the operations that can be performed for the group object.

### List all

#### Request

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

#### Response 200 OK

```
{
  "schemas": [
    "urn:ietf:params:scim:api:messages:2.0:ListResponse"
  ],
  "totalResults": 7,
  "startIndex": 1,
  "Resources": [
    {
      "organizational": false,
      "meta": {
        "location": "http://soffid.pat.lab:8080/soffid/webservice/scim2/v1/Group/83",
        "links": {
          "members":
            "http://soffid.pat.lab:8080/soffid/webservice/scim2/v1/User?filter=primaryGroup+eq+'world'+or
            secondaryGroup.group.name+eq+'world'",
          "administrators":
            "http://soffid.pat.lab:8080/soffid/webservice/scim2/v1/RoleAccount?filter=group.name+eq+'world'"
        }
      },
      "resourceType": "Group"
    },
  ],
}
```

```

    "quota": "0",
    "schemas": [
      "urn:soffid:com.soffid.iam.api.Group"
    ],
    "name": "world",
    "obsolete": false,
    "description": "World Original",
    "attributes": {},
    "id": 83
  },
  {
    "organizational": false,
    "meta": {
      "location": "http://soffid.pat.lab:8080/soffid/webservice/scim2/v1/Group/87",
      "links": {
        "members":
"http://soffid.pat.lab:8080/soffid/webservice/scim2/v1/User?filter=primaryGroup+eq+'enterprise'+or
secondaryGroup.group.name+eq+'enterprise'",
        "administrators":
"http://soffid.pat.lab:8080/soffid/webservice/scim2/v1/RoleAccount?filter=group.name+eq+'enterprise'"
      },
      "resourceType": "Group"
    },
    "quota": "0",
    "schemas": [
      "urn:soffid:com.soffid.iam.api.Group"
    ],
    "name": "enterprise",
    "obsolete": false,
    "description": "Enterprise",
    "parentGroup": "world",
    "attributes": {},
    "id": 87
  },
  .....
]
}

```

## List by filter

List all groups 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/Group?filter=name co world
```

## Response 200 OK

```
{
  "schemas": [
    "urn:ietf:params:scim:api:messages:2.0:ListResponse"
  ],
  "totalResults": 2,
  "startIndex": 1,
  "Resources": [
    {
      "organizational": false,
      "meta": {
        "location": "http://soffid.pat.lab:8080/soffid/webservice/scim2/v1/Group/83",
        "links": {
          "members":
            "http://soffid.pat.lab:8080/soffid/webservice/scim2/v1/User?filter=primaryGroup+eq+'world'+or
            secondaryGroup.group.name+eq+'world'",
          "administrators":
            "http://soffid.pat.lab:8080/soffid/webservice/scim2/v1/RoleAccount?filter=group.name+eq+'world'"
        },
        "resourceType": "Group"
      },
      "quota": "0",
      "schemas": [
        "urn:soffid:com:soffid:iam:api:Group"
      ],
      "name": "world",
      "obsolete": false,
    }
  ]
}
```

```

    "description": "World Original",
    "attributes": {},
    "id": 83
  },
  {
    "organizational": false,
    "meta": {
      "location": "http://soffid.pat.lab:8080/soffid/webservice/scim2/v1/Group/485118",
      "links": {
        "members":
"http://soffid.pat.lab:8080/soffid/webservice/scim2/v1/User?filter=primaryGroup+eq+'world2'+or
secondaryGroup.group.name+eq+'world2'",
        "administrators":
"http://soffid.pat.lab:8080/soffid/webservice/scim2/v1/RoleAccount?filter=group.name+eq+'world2'"
      },
      "resourceType": "Group"
    },
    "quota": "0",
    "schemas": [
      "urn:soffid:com.soffid.iam.api.Group"
    ],
    "name": "world2",
    "obsolete": false,
    "description": "World Modified",
    "attributes": {},
    "id": 485118
  }
]
}

```

## Query by id

Retrieve a group by its id (primary key).

### Request

```
GET http://<your-domain>/soffid/webservice/scim2/v1/Group/83
```

### Response 200 OK

```
{
  "organizational": false,
  "meta": {
    "location": "http://soffid.pat.lab:8080/soffid/webservice/scim2/v1/Group/83",
    "links": {
      "members":
"http://soffid.pat.lab:8080/soffid/webservice/scim2/v1/User?filter=primaryGroup+eq+'world'+or
secondaryGroup.group.name+eq+'world'",
      "administrators":
"http://soffid.pat.lab:8080/soffid/webservice/scim2/v1/RoleAccount?filter=group.name+eq+'world'"
    },
    "resourceType": "Group"
  },
  "quota": "0",
  "schemas": [
    "urn:soffid:com.soffid.iam.api.Group"
  ],
  "name": "world",
  "obsolete": false,
  "description": "World Original",
  "attributes": {},
  "id": 83
}
```

# Create

## Request

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

## JSON

```
{
  "schemas": [
    "urn:soffid:com.soffid.iam.api.Group"
  ],
  "name": "EngineeringTeam",
  "description": "Enterprise engineering team",
  "parentGroup": "world"
}
```

```
}
```

## Response 201 Created

```
{
  "organizational": false,
  "meta": {
    "location": "http://soffid.pat.lab:8080/soffid/webservice/scim2/v1/Group/1976559",
    "resourceType": "Group"
  },
  "quota": "0",
  "schemas": [
    "urn:soffid:com.soffid.iam.api.Group"
  ],
  "name": "EngineeringTeam",
  "obsolete": false,
  "description": "Enterprise engineering team",
  "parentGroup": "world",
  "attributes": {},
  "id": 1976559
}
```

## Update partial

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

If you want to add users to a group, please visit [SCIM GroupUser examples page](#)

## Request

```
PATCH http://<your-domain>/soffid/webservice/scim2/v1/Group/1976559
```

### JSON

```
{
  "Operations": [
    {
      "op": "replace",
      "path": "description",

```

```
    "value": "Enterprise Engineering Group"
  },
  {
    "op": "replace",
    "path": "type",
    "value": "CC"
  }
]
}
```

## Response 200 OK

```
{
  "organizational": false,
  "meta": {
    "location": "http://soffid.pat.lab:8080/soffid/webservice/scim2/v1/Group/1976559",
    "links": {
      "members":
"http://soffid.pat.lab:8080/soffid/webservice/scim2/v1/User?filter=primaryGroup+eq+'EngineeringTeam'+or
secondaryGroup.group.name+eq+'EngineeringTeam'",
      "administrators":
"http://soffid.pat.lab:8080/soffid/webservice/scim2/v1/RoleAccount?filter=group.name+eq+'EngineeringTeam'"
    },
    "resourceType": "Group"
  },
  "quota": "0",
  "schemas": [
    "urn:soffid:com.soffid.iam.api.Group"
  ],
  "name": "EngineeringTeam",
  "obsolete": false,
  "description": "Enterprise Engineering Group",
  "parentGroup": "world",
  "attributes": {},
  "id": 1976559,
  "type": "CC"
}
```

## Update all

This operation replaces all values in the group.

- Note that the attribute id is required to confirm that the resource "...Group/<id>" is the same that the JSON group.
- Note that all the attributes not included in the request will be cleared in the group 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/Group/1976559
```

## JSON

```
{
  "schemas": ["urn:soffid:com.soffid.iam.api.Group"],
  "id": 1976559,
  "name": "EngineeringTeam",
  "description": "Enterprise engineering team",
  "parentGroup": "world"
}
```

## Response 200 OK

```
{
  "organizational": false,
  "meta": {
    "location": "http://soffid.pat.lab:8080/soffid/webservice/scim2/v1/Group/1976559",
    "links": {
      "members":
        "http://soffid.pat.lab:8080/soffid/webService/scim2/v1/User?filter=primaryGroup+eq+'EngineeringTeam'+or
        secondaryGroup.group.name+eq+'EngineeringTeam'",
      "administrators":
        "http://soffid.pat.lab:8080/soffid/webService/scim2/v1/RoleAccount?filter=group.name+eq+'EngineeringTeam'"
    },
    "resourceType": "Group"
  },
  "quota": "0",
  "schemas": [
    "urn:soffid:com.soffid.iam.api.Group"
  ]
}
```



```
],  
  "name": "EngineeringTeam",  
  "obsolete": false,  
  "description": "Enterprise engineering team",  
  "parentGroup": "world",  
  "attributes": {},  
  "id": 1976559  
}
```

## Delete

Please note that after this delete action, you will need to create again the group to use it in the next examples.

### Request

```
DELETE http://<your-domain>/soffid/webservice/scim2/v1/Group/1976559
```

### 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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