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# SCIM Group type examples

## Operations

This page shows the operations that can be performed for the Group Type object

### List all

#### Request

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

#### Response 200 OK

```
{
  "schemas": [
    "urn:ietf:params:scim:api:messages:2.0:ListResponse"
  ],
  "totalResults": 2,
  "startIndex": 1,
  "Resources": [
    {
      "roleHolder": false,
      "meta": {
        "location": "http://soffid.pat.lab:8080/soffid/webservice/scim2/v1/OUType/504761",
        "resourceType": "OUType"
      },
      "schemas": [
        "urn:soffid:com:soffid:iam:api:OUType"
      ],
      "name": "CC",
      "description": "Cost Center",
      "id": 504761
    },
  ],
}
```

```

{
  "roleHolder": false,
  "meta": {
    "location": "http://soffid.pat.lab:8080/soffid/webservice/scim2/v1/OUType/504762",
    "resourceType": "OUType"
  },
  "schemas": [
    "urn:soffid:com.soffid.iam.api.OUType"
  ],
  "name": "PC",
  "description": "Productive center",
  "id": 504762
}
]
}

```

## List by filter

List all group types 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/OUType?filter=description co Cost
```

## Response 200 OK

```

{
  "schemas": [
    "urn:ietf:params:scim:api:messages:2.0:ListResponse"
  ],
  "totalResults": 1,
  "startIndex": 1,
  "Resources": [
    {
      "roleHolder": false,

```

```
{
  "meta": {
    "location": "http://soffid.pat.lab:8080/soffid/webservice/scim2/v1/OUType/504761",
    "resourceType": "OUType"
  },
  "schemas": [
    "urn:soffid:com.soffid.iam.api.OUType"
  ],
  "name": "CC",
  "description": "Cost Center",
  "id": 504761
}
]
```

## Query by id

Query a group type by its id (primary key).

### Request

```
GET http://<your-domain>/soffid/webservice/scim2/v1/OUType/504761
```

### Response 200 OK

```
{
  "roleHolder": false,
  "meta": {
    "location": "http://soffid.pat.lab:8080/soffid/webservice/scim2/v1/OUType/504761",
    "resourceType": "OUType"
  },
  "schemas": [
    "urn:soffid:com.soffid.iam.api.OUType"
  ],
  "name": "CC",
  "description": "Cost Center",
  "id": 504761
}
```

# Create

## Request

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

### JSON

```
{
  "schemas": [
    "urn:soffid:com.soffid.iam.api.Role"
  ],
  "name": "App Billing Role",
  "description": "Role Admin for Billing application",
  "informationSystemName": "Operation/Business 2/App Billing",
  "system": "test",
  "password": false,
  "bpmEnabled": false,
  "enableByDefault": false,
  "granteeGroups": [],
  "ownedRoles": [],
  "ownerGroups": [],
  "ownerRoles": []
}
```

## Response 201 Created

```
{
  "schemas": [
    "urn:soffid:com.soffid.iam.api.OUType"
  ],
  "name": "NewOU",
  "description": "New OU"
}
```

## 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/OUType/1976710
```

## JSON

```
{
  "Operations": [
    {
      "op": "replace",
      "path": "name",
      "value": "OU"
    }
  ]
}
```

## Response 200 OK

```
{
  "roleHolder": false,
  "meta": {
    "location": "http://soffid.pat.lab:8080/soffid/webservice/scim2/v1/OUType/1976710",
    "resourceType": "OUType"
  },
  "schemas": [
    "urn:soffid:com.soffid.iam.api.OUType"
  ],
  "name": "OU",
  "description": "New OU",
  "id": 1976710
}
```

## Update all

This operation replaces all values in the group type.

- Note that the attribute id is required to confirm that the resource "...OUType/<id>" is the same that the JSON group type.
- Note that all the attributes not included in the request will be cleared in the group 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 visit [Resource data model page](#)

## Request

```
PUT http://<your-domain>/soffid/webservice/scim2/v1/Role/1976590
```

### JSON

```
{
  "schemas": [
    "urn:soffid:com.soffid.iam.api.OUType"
  ],
  "id": 1976710,
  "name": "ChangeOU"
}
```

## Response 200 OK

```
{
  "roleHolder": false,
  "meta": {
    "location": "http://soffid.pat.lab:8080/soffid/webservice/scim2/v1/OUType/1976710",
    "resourceType": "OUType"
  },
  "schemas": [
    "urn:soffid:com.soffid.iam.api.OUType"
  ],
  "name": "ChangeOU",
  "id": 1976710
}
```

## Delete

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

## Request

DELETE http://<your-omain>/soffid/webservice/scim2/v1/OUType/1976710

## 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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