

# SCIM CustomObject examples

## Operations

This page shows the operations that can be performed for the CustomObjects object

### List all

#### Request

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

#### Response 200 OK

```
{
  "schemas": [
    "urn:ietf:params:scim:api:messages:2.0:ListResponse"
  ],
  "totalResults": 6,
  "startIndex": 1,
  "Resources": [
    {
      "meta": {
        "location": "http://soffid.pat.lab:8080/webservice/scim2/v1/CustomObject/848157",
        "resourceType": "CustomObject"
      },
      "schemas": [
        "urn:soffid:com:soffid.iam.api.CustomObject"
      ],
      "name": "aa",
      "description": "aaa",
    }
  ]
}
```

```

    "attributes": {
      "address": "2"
    },
    "id": 848157,
    "type": "building"
  },
  {
    "meta": {
      "location": "http://soffid.pat.lab:8080/soffid/webservice/scim2/v1/CustomObject/1510208",
      "resourceType": "CustomObject"
    },
    "schemas": [
      "urn:soffid:com.soffid.iam.api.CustomObject"
    ],
    "name": "ES",
    "description": "Spain",
    "attributes": {
      "language": "English"
    },
    "id": 1510208,
    "type": "country"
  },
  .....
]
}

```

## List by filter

List all CustomObjects 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/CustomObject?filter=description eq Spain
```

## Response 200 OK

```
{
  "schemas": [
    "urn:ietf:params:scim:api:messages:2.0:ListResponse"
  ],
  "totalResults": 1,
  "startIndex": 1,
  "Resources": [
    {
      "meta": {
        "location": "http://soffid.pat.lab:8080/soffid/webservice/scim2/v1/CustomObject/1510208",
        "resourceType": "CustomObject"
      },
      "schemas": [
        "urn:soffid:com.soffid.iam.api.CustomObject"
      ],
      "name": "ES",
      "description": "Spain",
      "attributes": {
        "language": "English"
      },
      "id": 1510208,
      "type": "country"
    }
  ]
}
```

## Query by id

Query a CustomObject by its id (primary key).

### Request

```
GET http://<your-domain>/soffid/webservice/scim2/v1/CustomObject/848062
```

### Response 200 OK

```
{
  "meta": {
    "location": "http://soffid.pat.lab:8080/soffid/webservice/scim2/v1/CustomObject/848062",
```

```
    "resourceType": "CustomObject"
  },
  "schemas": [
    "urn:soffid:com.soffid.iam.api.CustomObject"
  ],
  "name": "HQ",
  "description": "Headquarters",
  "attributes": {
    "address": "1"
  },
  "id": 848062,
  "type": "building"
}
```

# Create

## Request

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

### JSON

```
{
  "schemas": [
    "urn:soffid:com.soffid.iam.api.CustomObject"
  ],
  "name": "IT",
  "description": "Italy",
  "type": "country",
  "attributes": {
    "language": "English"
  }
}
```

## Response 201 Created

```
{
  "meta": {
    "location": "http://soffid.pat.lab:8080/soffid/webservice/scim2/v1/CustomObject/1977187",
```

```
    "resourceType": "CustomObject"
  },
  "schemas": [
    "urn:soffid:com.soffid.iam.api.CustomObject"
  ],
  "name": "IT",
  "description": "Italy",
  "attributes": {
    "language": "English"
  },
  "id": 1977187,
  "type": "country"
}
```

## 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/CustomObject/1977187
```

### JSON

```
{
  "Operations": [
    {
      "op": "replace",
      "path": "attributes",
      "value": {
        "language": "German"
      }
    }
  ]
}
```

### Response 200 OK

```
{
  "meta": {
    "location": "http://soffid.pat.lab:8080/soffid/webservice/scim2/v1/CustomObject/1977187",
    "resourceType": "CustomObject"
  },
  "schemas": [
    "urn:soffid:com.soffid.iam.api.CustomObject"
  ],
  "name": "IT",
  "description": "Italy",
  "attributes": {
    "language": "German"
  },
  "id": 1977187,
  "type": "country"
}
```

## Update all

This operation replaces all values in the CustomObject.

- Note that the attribute id is required to confirm that the resource "...CustomObject/<id>" is the same that the JSON CustomObject.
- Note that all the attributes not included in the request will be cleared in the CustomObject 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/CustomObject/1977187
```

## JSON

```
{
  "schemas": [
    "urn:soffid:com.soffid.iam.api.CustomObject"
  ],
  "id": 1977187,
  "name": "IT",
```

```
"description": "Italy",
"type": "country",
"attributes": {
  "language": "English"
}
}
```

## Response 200 OK

```
{
  "meta": {
    "location": "http://soffid.pat.lab:8080/soffid/webservice/scim2/v1/CustomObject/1977187",
    "resourceType": "CustomObject"
  },
  "schemas": [
    "urn:soffid:com.soffid.iam.api.CustomObject"
  ],
  "name": "IT",
  "description": "Italy",
  "attributes": {
    "language": "English"
  },
  "id": 1977187,
  "type": "country"
}
```

## Delete

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

## Request

```
DELETE http://<your-omain>/soffid/webservice/scim2/v1/CustomObject/1977187
```

## 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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