

# SCIM Network examples

## Operations

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

### List all

#### Request

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

#### 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/soffid/webservice/scim2/v1/Network/67",
        "resourceType": "Network"
      },
      "ip": "127.0.0.0",
      "lanAccess": false,
      "schemas": [
        "urn:soffid:com:soffid:iam:api:Network"
      ],
      "name": "loopback",
      "description": "Description",
      "id": 67,
```

```

    "mask": "255.255.255.128",
    "dhcpSupport": false
  },
  {
    "meta": {
      "location": "http://soffid.pat.lab:8080/soffid/webservice/scim2/v1/Network/505167",
      "resourceType": "Network"
    },
    "ip": "172.0.0.0",
    "lanAccess": false,
    "schemas": [
      "urn:soffid:com.soffid.iam.api.Network"
    ],
    "name": "int1",
    "description": "Internal network 1",
    "id": 505167,
    "mask": "255.240.0.0",
    "dhcpSupport": false
  },
  .....
]
}

```

## List by filter

List all Networks 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/Network?filter=description co labora
```

## Response 200 OK

```

{
  "schemas": [

```

```
"urn:ietf:params:scim:api:messages:2.0:ListResponse"
],
"totalResults": 3,
"startIndex": 1,
"Resources": [
  {
    "meta": {
      "location": "http://soffid.pat.lab:8080/soffid/webservice/scim2/v1/Network/1790267",
      "resourceType": "Network"
    },
    "ip": "10.129.120.0",
    "lanAccess": false,
    "schemas": [
      "urn:soffid:com:soffid:iam:api:Network"
    ],
    "name": "lab1",
    "description": "Laboratory network 1",
    "id": 1790267,
    "mask": "255.255.255.0",
    "dhcpSupport": false
  },
  {
    "meta": {
      "location": "http://soffid.pat.lab:8080/soffid/webservice/scim2/v1/Network/1790319",
      "resourceType": "Network"
    },
    "ip": "10.129.121.0",
    "lanAccess": false,
    "schemas": [
      "urn:soffid:com:soffid:iam:api:Network"
    ],
    "name": "lab2",
    "description": "Laboratory network 2",
    "id": 1790319,
    "mask": "255.255.255.0",
    "dhcpSupport": false
  },
  {
    "meta": {
```

```
    "location": "http://soffid.pat.lab:8080/soffid/webservice/scim2/v1/Network/1858961",
    "resourceType": "Network"
  },
  "ip": "10.129.122.0",
  "lanAccess": true,
  "schemas": [
    "urn:soffid:com.soffid.iam.api.Network"
  ],
  "name": "lab3",
  "description": "Laboratory network",
  "id": 1858961,
  "mask": "255.255.255.0",
  "dhcpSupport": false
}
1
}
```

## Query by id

Query a Network by its id (primary key).

### Request

```
GET http://<your-domain>/soffid/webservice/scim2/v1/Network/1038187
```

### Response 200 OK

```
{
  "meta": {
    "location": "http://soffid.pat.lab:8080/soffid/webservice/scim2/v1/Network/1038187",
    "resourceType": "Network"
  },
  "ip": "192.168.133.0",
  "lanAccess": true,
  "schemas": [
    "urn:soffid:com.soffid.iam.api.Network"
  ],
  "name": "internal",
  "description": "Internal Network",
```

```
"loginRestriction": false,  
"id": 1038187,  
"mask": "255.255.255.0",  
"dhcpSupport": true  
}
```

# Create

## Request

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

### JSON

```
{  
  "schemas": [  
    "urn:soffid:com.soffid.iam.api.Network"  
  ],  
  "name": "Laboratory",  
  "description": "Laboratory Network",  
  "ip": "192.168.123.0",  
  "mask": "255.255.255.0",  
  "loginRestriction": false,  
  "lanAccess": true,  
  "dhcpSupport": true  
}
```

## Response 201 Created

```
{  
  "meta": {  
    "location": "http://soffid.pat.lab:8080/soffid/webservice/scim2/v1/Network/1977114",  
    "resourceType": "Network"  
  },  
  "ip": "192.168.123.0",  
  "lanAccess": true,  
  "schemas": [  
    "urn:soffid:com.soffid.iam.api.Network"  
  ],  
}
```

```
"name": "Laboratory",
"description": "Laboratory Network",
"loginRestriction": false,
"id": 1977114,
"mask": "255.255.255.0",
"dhcpSupport": true
}
```

## 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/Network/1977114
```

### JSON

```
{
  "Operations": [
    {
      "op": "replace",
      "path": "ip",
      "value": "192.168.125.0"
    }
  ]
}
```

### Response 200 OK

```
{
  "meta": {
    "location": "http://soffid.pat.lab:8080/soffid/webservice/scim2/v1/Network/1977114",
    "resourceType": "Network"
  },
  "ip": "192.168.123.0",
  "lanAccess": true,
  "schemas": [
    "urn:soffid:com.soffid.iam.api.Network"
  ]
}
```

```
],
"name": "Laboratory",
"description": "Laboratory Network",
"loginRestriction": false,
"id": 1977114,
"mask": "255.255.255.0",
"dhcpSupport": true
}
```

## Update all

This operation replaces all values in the Network.

- Note that the attribute id is required to confirm that the resource "...Network/<id>" is the same that the JSON Network.
- Note that all the attributes not included in the request will be cleared in the Network 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/Network/1977114
```

## JSON

```
{
  "schemas": [
    "urn:soffid:com.soffid.iam.api.Network"
  ],
  "id": 1977114,
  "name": "Laboratory",
  "ip": "192.168.123.0",
  "mask": "255.255.255.0"
}
```

## Response 200 OK

```
{
  "meta": {
```

```
"location": "http://soffid.pat.lab:8080/soffid/webservice/scim2/v1/Network/1977114",
"resourceType": "Network"
},
"ip": "192.168.123.0",
"schemas": [
  "urn:soffid:com.soffid.iam.api.Network"
],
"name": "Laboratory",
"id": 1977114,
"mask": "255.255.255.0",
"dhcpSupport": false
}
```

## Delete

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

### Request

```
DELETE http://<your-omain>/soffid/webservice/scim2/v1/Network/1977114
```

### 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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