SCIM Network examples

Operations

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

List all

Request

```
GET https://<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.am.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.am.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 https://<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.am.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.am.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.am.api.Network"
        ],
        "name": "lab3",
        "description": "Laboratory network",
        "id": 1858961,
        "mask": "255.255.255.0",
        "dhcpSupport": false
    }
  ]
}
```


Query by id

Query a Network by its id (primary key).

Request

```
GET https://<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.am.api.Network"
  ],
  "name": "internal",
  "description": "Internal Network",
```

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


Create

Request

```
POST https://<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 https://<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.am.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 https://<your-domain>/soffid/webservice/scim2/v1/Network/1977114
```

JSON


```
{
  "schemas": [
    "urn:soffid:com.soffid.iam.am.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.am.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 https://<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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