

# SCIM Host examples

## Operations

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

### List all

#### Request

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

#### Response 200 OK

```
{
  "schemas": [
    "urn:ietf:params:scim:api:messages:2.0:ListResponse"
  ],
  "totalResults": 12,
  "startIndex": 1,
  "Resources": [
    {
      "serialNumber": "soffid.bubu.lab:192.168.133.1",
      "os": "ALT",
      "mail": false,
      "ip": "192.168.133.1",
      "dynamicIp": true,
      "description": "Autocreated on 12/13/20 6:49:34 PM",
      "office": false,
      "lastSeen": "2020-12-13 18:49:34",
      "meta": {
        "location": "http://soffid.pat.lab:8080/soffid/webservice/scim2/v1/Host/1039055",
        "resourceType": "Host"
      }
    },
  ],
}
```

```

    "networkCode": "internal",
    "schemas": [
      "urn:soffid:com.soffid.iam.api.Host"
    ],
    "name": "soffid.bubu.lab",
    "id": 1039055,
    "hostAlias": [],
    "printersServer": false
  },
  {
    "os": "ALT",
    "mail": false,
    "ip": "10.129.120.4",
    "dynamicIp": false,
    "description": "Discovered host iam.soffid.com",
    "office": false,
    "lastSeen": "2021-04-05 20:06:19",
    "meta": {
      "location": "http://soffid.pat.lab:8080/soffid/webservice/scim2/v1/Host/1793093",
      "resourceType": "Host"
    },
    "networkCode": "lab1",
    "schemas": [
      "urn:soffid:com.soffid.iam.api.Host"
    ],
    "name": "iam.soffid.com",
    "id": 1793093,
    "hostAlias": [],
    "printersServer": false
  },
  .....
]
}

```

## List by filter

List all Hosts 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/Host?filter=os eq LIN and name co archiva
```

## Response 200 OK

```
{
  "schemas": [
    "urn:ietf:params:scim:api:messages:2.0:ListResponse"
  ],
  "totalResults": 1,
  "startIndex": 1,
  "Resources": [
    {
      "os": "LIN",
      "mail": false,
      "ip": "10.129.120.2",
      "dynamicIp": false,
      "description": "Discovered host archiva.dev.lab",
      "office": false,
      "lastSeen": "2021-04-05 20:04:49",
      "meta": {
        "location": "http://soffid.pat.lab:8080/soffid/webservice/scim2/v1/Host/1793026",
        "resourceType": "Host"
      },
      "networkCode": "lab1",
      "schemas": [
        "urn:soffid:com:soffid:iam:api:Host"
      ],
      "name": "archiva.dev.lab",
      "id": 1793026,
      "hostAlias": [],
      "printersServer": false
    }
  ]
}
```

# Query by id

Query a Host by its id (primary key).

## Request

```
GET http://<your-domain>/soffid/webservice/scim2/v1/Host/1793093
```

## Response 200 OK

```
{
  "os": "ALT",
  "mail": false,
  "ip": "10.129.120.4",
  "dynamicIp": false,
  "description": "Discovered host iam.soffid.com",
  "office": false,
  "lastSeen": "2021-04-05 20:06:19",
  "meta": {
    "location": "http://soffid.pat.lab:8080/soffid/webservice/scim2/v1/Host/1793093",
    "resourceType": "Host"
  },
  "networkCode": "lab1",
  "schemas": [
    "urn:soffid:com.soffid.iam.api.Host"
  ],
  "name": "iam.soffid.com",
  "id": 1793093,
  "hostAlias": [],
  "printersServer": false
}
```

# Create

## Request

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

**JSON**

```
{
  "schemas": [
    "urn:soffid:com.soffid.iam.api.Host"
  ],
  "name": "billing.dev.lab",
  "description": "Host billing.dev.lab",
  "os": "LIN",
  "mail": false,
  "dynamicIp": false,
  "networkCode": "internal",
  "hostAlias": [
    "aliasHost_1",
    "aliasHost_2"
  ],
  "serialNumber": "123456789",
  "printersServer": false
}
```

## Response 201 Created

```
{
  "serialNumber": "123456789",
  "os": "LIN",
  "mail": false,
  "dynamicIp": false,
  "description": "Host billing.dev.lab",
  "office": false,
  "meta": {
    "location": "http://soffid.pat.lab:8080/soffid/webservice/scim2/v1/Host/1976899",
    "resourceType": "Host"
  },
  "networkCode": "internal",
  "schemas": [
    "urn:soffid:com.soffid.iam.api.Host"
  ],
  "name": "billing.dev.lab",
  "id": 1976899,
  "hostAlias": [
    "aliasHost_1",
```

```
"aliasHost_2"
],
"printersServer": false
}
```

# 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/Host/1976899
```

## JSON

```
{
  "Operations": [
    {
      "op": "replace",
      "path": "networkCode",
      "value": "Lab1"
    },
    {
      "op": "add",
      "path": "hostAlias",
      "value": [
        "aliasHost_3",
        "aliasHost_4"
      ]
    }
  ]
}
```

## Response 200 OK

```
{
  "serialNumber": "123456789",
  "os": "LIN",
  "mail": false,
```

```
"dynamicIp": false,
"description": "Host billing.dev.lab",
"office": false,
"meta": {
  "location": "http://soffid.pat.lab:8080/soffid/webservice/scim2/v1/Host/1976899",
  "resourceType": "Host"
},
"networkCode": "Lab1",
"schemas": [
  "urn:soffid:com.soffid.iam.api.Host"
],
"name": "billing.dev.lab",
"id": 1976899,
"hostAlias": [
  "aliasHost_1",
  "aliasHost_2",
  "aliasHost_3",
  "aliasHost_4"
],
"printersServer": false
}
```

## Update all

This operation replaces all values in the Hosts.

- Note that the attribute id is required to confirm that the resource "...Host/<id>" is the same that the JSON Host.
- Note that all the attributes not included in the request will be cleared in the Host 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/Host/1976899
```

## JSON

```
{
  "schemas": [
    "urn:soffid:com.soffid.iam.api.Host"
  ],
  "id": 1976899,
  "name": "billing.dev.lab",
  "description": "Host billing.dev.lab",
  "os": "LIN",
  "mail": false,
  "dynamiclp": false,
  "networkCode": "internal",
  "printersServer": false
}
```

## Response 200 OK

```
{
  "os": "LIN",
  "mail": false,
  "meta": {
    "location": "http://soffid.pat.lab:8080/soffid/webservice/scim2/v1/Host/1976899",
    "resourceType": "Host"
  },
  "networkCode": "internal",
  "schemas": [
    "urn:soffid:com.soffid.iam.api.Host"
  ],
  "name": "billing.dev.lab",
  "dynamiclp": false,
  "description": "Host billing.dev.lab",
  "id": 1976899,
  "hostAlias": [],
  "printersServer": false
}
```

## Delete

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



## Request

```
DELETE http://<your-omain>/soffid/webservice/scim2/v1/Host/1976899
```

## 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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