SCIM Application examples (InformationSystem)

Operations

This page shows the operations that can be performed for the application object (Information Systems from a functional point of view)

List all

Request

```
GET https://<your-domain>/webservice/scim2/v1/Application
```

Response 200 OK


```
{
   "schemas": [
      "urn:ietf:params:scim:api:messages:2.0:ListResponse"
   ],
   "totalResults": 2,
   "startIndex": 1,
   "Resources": [
      {
         "parent": "Operation/Business 2",
         "relativeName": "SOFFID",
         "database": "",
         "bpmEnabled": true,
         "meta": {
            "location": "http://soffid.pat.lab:8080/soffid/webservice/scim2/v1/Application/41",
            "links": {
               "children":
```

"http://soffid.pat.lab:8080/soffid/webservice/scim2/v1/Application?filter=parent.name+eq+'Operation/Business 2/SOFFID'",
"roles": "http://soffid.pat.lab:8080/soffid/webservice/scim2/v1/Role?filter=informationSystemName+eq+'Operation/Business 2/SOFFID'"
},
"resourceType": "Application"
},
"schemas": [
"urn:soffid:com.soffid.iam.api.Application"
],
"name": "Operation/Business 2/SOFFID",
"description": "SOFFID Identity Manager",
"singleRole": false,
"attributes": {},
"id": 41,
"type": "application"
},
{
"parent": "Operation/Business process",
"relativeName": "ad",
"database": "ad",
"bpmEnabled": true,
"meta": {
"location": "http://soffid.pat.lab:8080/soffid/webservice/scim2/v1/Application/391459",
"links": {
"children": "http://soffid.pat.lab:8080/soffid/webservice/scim2/v1/Application?filter=parent.name+eq+'Operation/Business process/ad'",
"roles": "http://soffid.pat.lab:8080/soffid/webservice/scim2/v1/Role?filter=informationSystemName+eq+'Operation/Business process/ad'"
},
"resourceType": "Application"
},
"schemas": [
"urn:soffid:com.soffid.iam.api.Application"
],
"name": "Operation/Business process/ad",

```
        "description": "Active Directory",
        "singleRole": false,
        "attributes": {},
        "id": 391459,
        "type": "application"
      }
   ]
}
```


List by filter

List all application 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/Application?filter=description co SOFFID
```

Response 200 OK


```
{
   "schemas": [
      "urn:ietf:params:scim:api:messages:2.0:ListResponse"
   ],
   "totalResults": 2,
   "startIndex": 1,
   "Resources": [
      {
         "parent": "Operation/Business 2",
         "relativeName": "SOFFID",
         "database": "",
         "bpmEnabled": true,
         "meta": {
            "location": "http://soffid.pat.lab:8080/soffid/webservice/scim2/v1/Application/41",
            "links": {
               "children":
```

"http://soffid.pat.lab:8080/soffid/webservice/scim2/v1/Application?filter=parent.name+eq+'Operation/Business 2/SOFFID'",
"roles": "http://soffid.pat.lab:8080/soffid/webservice/scim2/v1/Role?filter=informationSystemName+eq+'Operation/Business 2/SOFFID'"
},
"resourceType": "Application"
},
"schemas": [
"urn:soffid:com.soffid.iam.api.Application"
],
"name": "Operation/Business 2/SOFFID",
"description": "SOFFID Identity Manager",
"singleRole": false,
"attributes": {},
"id": 41,
"type": "application"
},
{
"parent": "Operation/Business 2",
"relativeName": "iam.soffid.com",
"database": "iam.soffid.com",
"bpmEnabled": false,
"meta": {
"location": "http://soffid.pat.lab:8080/soffid/webservice/scim2/v1/Application/1836136",
"links": {
"children": "http://soffid.pat.lab:8080/soffid/webservice/scim2/v1/Application?filter=parent.name+eq+'Operation/Business 2/iam.soffid.com'",
"roles": "http://soffid.pat.lab:8080/soffid/webservice/scim2/v1/Role?filter=informationSystemName+eq+'Operation/Business 2/iam.soffid.com'"
},
"resourceType": "Application"
},
"schemas": [
"urn:soffid:com.soffid.iam.api.Application"
],
"name": "Operation/Business 2/iam.soffid.com",

```
      "description": "Discovered host iam.soffid.com",
      "singleRole": false,
      "attributes": {},
      "id": 1836136,
      "type": "application"
    }
  ]
}
```


Query by id

Retrieve an application by its id (primary key).

Request

```
GET https://<your-domain>/soffid/webservice/scim2/v1/Application/391459
```

Response 200 OK


```
{
  "parent": "Operation/Business process",
  "relativeName": "ad",
  "database": "ad",
  "bpmEnabled": true,
  "meta": {
    "location": "http://soffid.pat.lab:8080/soffid/webservice/scim2/v1/Application/391459",
    "links": {
      "children":
"http://soffid.pat.lab:8080/soffid/webservice/scim2/v1/Application?filter=parent.name+eq+'Operation/Business process/ad'",
      "roles":
"http://soffid.pat.lab:8080/soffid/webservice/scim2/v1/Role?filter=informationSystemName+eq+'Operation/Business process/ad'"
    },
    "resourceType": "Application"
  },
  "schemas": [
    "urn:soffid:com.soffid.iam.api.Application"
  ],
```

```
    "name": "Operation/Business process/ad",
    "description": "Active Directory",
    "singleRole": false,
    "attributes": {},
    "id": 391459,
    "type": "application"
}
```


Create

To create an application (Information System).

Request

```
POST https://<your-domain>/soffid/webservice/scim2/v1/Application/
```

JSON


```
{
    "schemas": [
        "urn:soffid:com.soffid.iam.api.Application"
    ],
    "parent": "Operation/Business 2",
    "relativeName": "appBilling",
    "database": "",
    "bpmEnabled": false,
    "name": "Operation/Business 2/App Billing",
    "description": "Billing application",
    "singleRole": false,
    "attributes": {},
    "type": "application"
}
```


Response 201 Created


```
{
    "parent": "Operation/Business 2",
    "relativeName": "App Billing",
    "database": "",
```

```
  "bpmEnabled": false,
  "meta": {
    "location": "http://soffid.pat.lab:8080/soffid/webservice/scim2/v1/Application/1976515",
    "resourceType": "Application"
  },
  "schemas": [
    "urn:soffid:com.soffid.iam.api.Application"
  ],
  "name": "Operation/Business 2/App Billing",
  "description": "Billing application",
  "singleRole": false,
  "attributes": {},
  "id": 1976515,
  "type": "application"
}
```


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/Application/1976515
```

JSON


```
{
  "schemas": [
    "urn:soffid:com.soffid.iam.api.Application"
  ],
  "Operations": [
    {
      "op": "replace",
      "path": "parent",
      "value": "Operation/Business process"
    },
    {
      "op": "replace",
      "path": "name",
      "value": "Operation/Business process/App Billing"
```

```
    },
    {
      "op": "replace",
      "path": "database",
      "value": "DDBBBilling"
    }
  ]
}
```

Response 200 OK


```
{
  "parent": "Operation/Business process",
  "relativeName": "App Billing",
  "database": "DDBBBilling",
  "bpmEnabled": false,
  "meta": {
    "location": "http://soffid.pat.lab:8080/soffid/webservice/scim2/v1/Application/1976515",
    "links": {
      "children":
"http://soffid.pat.lab:8080/soffid/webservice/scim2/v1/Application?filter=parent.name+eq+'Operation/Business
process/App Billing'",
      "roles":
"http://soffid.pat.lab:8080/soffid/webservice/scim2/v1/Role?filter=informationSystemName+eq+'Operation/Busin
ess process/App Billing'"
    },
    "resourceType": "Application"
  },
  "schemas": [
    "urn:soffid:com.soffid.iam.api.Application"
  ],
  "name": "Operation/Business process/App Billing",
  "description": "Billing application",
  "singleRole": false,
  "attributes": {},
  "id": 1976515,
  "type": "application"
}
```

Update all

This operation replaces all values in the application.

- Note that the attribute id is required to confirm that the resource "...Application/<id>" is the same that the JSON user.
- Note that all the attributes not included in the request will be cleared in the application 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/Application/1976515
```

JSON


```
{
   "schemas": [
      "urn:soffid:com.soffid.iam.api.Application"
   ],
   "id": 1976515,
   "parent": "Operation/Business 2",
   "relativeName": "appBilling",
   "database": "",
   "bpmEnabled": false,
   "name": "Operation/Business 2/App Billing",
   "description": "Billing application",
   "singleRole": false,
   "attributes": {},
   "type": "application"
}
```


Response 200 OK


```
{
   "parent": "Operation/Business 2",
   "relativeName": "App Billing",
   "database": "",
   "bpmEnabled": false,
```

```
    "meta": {
        "location": "http://soffid.pat.lab:8080/soffid/webservice/scim2/v1/Application/1976515",
        "links": {
            "children":
"http://soffid.pat.lab:8080/soffid/webservice/scim2/v1/Application?filter=parent.name+eq+'Operation/Business
2/App Billing'",
            "roles":
"http://soffid.pat.lab:8080/soffid/webservice/scim2/v1/Role?filter=informationSystemName+eq+'Operation/Busin
ess 2/App Billing'"
        },
        "resourceType": "Application"
    },
    "schemas": [
        "urn:soffid:com.soffid.iam.api.Application"
    ],
    "name": "Operation/Business 2/App Billing",
    "description": "Billing application",
    "singleRole": false,
    "attributes": {},
    "id": 1976515,
    "type": "application"
}
```


Delete

> Please note that after this delete action, you will need to create again the application to use it in the next examples.

Request

```
DELETE https://<your-domain>/webservice/scim2/v1/Application/2236428
```

Response 204 No Content

```
204 No Content
```

Error response

> For more information about error response visithttps://bookstack.soffid.com/link/116#bkmrk-error-response

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