

# SCIM OTP devices Workflows examples

## Workflow Examples

### Workflow 1

#### 1. Create Email OTP device

##### Request

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

##### JSON

```
{
  "type": "EMAIL",
  "user": "dilbert",
  "email": "dilbert@soffid.com"
}
```

##### Response 200 OK

```
{
  "created": "2022-03-09 13:39:52",
  "meta": {
    "location": "http://soffid.pat.lab:8080/soffid/webservice/scim2/v1/OtpDevice/5099461",
    "resourceType": "OtpDevice"
  },
  "schemas": [
    "urn:soffid:com.soffid.iam.addons.otp.common.OtpDevice"
  ],
}
```

```
"name": "Email message to di*****@so****.co*",
"id": 5099461,
"type": "EMAIL",
"user": "dilbert",
"fails": 0,
"email": "dilbert@soffid.com",
"status": "C"
}
```

## 2. RequestChallenge to get the PIN code

### Request

```
GET http://<your-domain>/soffid/webservice/scim2/v1/OtpDevice/5099461/requestChallenge
```

### Response 200 OK

```
{
  "cell": "PIN",
  "cardNumber": "Email message to di*****@so****.co*"
}
```

## 3. ResponseChallenge to validate the PIN code

### Request

```
POST http://<your-domain>/soffid/webservice/scim2/v1/OtpDevice/5099461/responseChallenge
```

### JSON

```
{
  "pin": "839231"
}
```

### Response 200 OK

```
{
  "success": true,
  "locked": false
}
```

## 4. Enable OTP device

### Request

```
PATCH http://<your-domain>/soffid/webservice/scim2/v1/OtpDevice/5099461
```

### JSON

```
{
  "Operations":
  [
    {
      "op": "replace",
      "path": "status",
      "value": "V"
    }
  ]
}
```

### Response

```
{
  "created": "2022-03-09 13:39:52",
  "meta": {
    "location": "http://soffid.pat.lab:8080/soffid/webservice/scim2/v1/OtpDevice/5099461",
    "links": {
      "requestChallenge":
"http://soffid.pat.lab:8080/soffid/webservice/scim2/v1/OtpDevice/5099461/requestChallenge",
      "responseChallenge":
"http://soffid.pat.lab:8080/soffid/webservice/scim2/v1/OtpDevice/5099461/responseChallenge"
    },
    "resourceType": "OtpDevice"
  },
  "schemas": [
    "urn:soffid:com.soffid.iam.addons.otp.common.OtpDevice"
  ],
  "name": "Email message to di*****@so****.co*",
  "id": 5099461,
  "type": "EMAIL",
  "user": "dilbert",
```

```
"fails": 0,  
"email": "dilbert@soffid.com",  
"status": "V"  
}
```

## Workflow 2

### 1. Get TOTP devices

Obtain all unused OTP devices by 2022.

#### Request

```
GET http://<your-domain>/soffid/webservice/scim2/v1/OtpDevice?filter=lastUsed le "2022-01-01"
```

#### Response 200 Ok

```
{  
  "schemas": [  
    "urn:ietf:params:scim:api:messages:2.0:ListResponse"  
  ],  
  "totalResults": 5,  
  "startIndex": 1,  
  "Resources": [  
    {  
      "lastUsed": "2021-10-14 06:57:00",  
      "created": "2021-10-14 06:44:43",  
      "meta": {  
        "location": "http://soffid.pat.lab:8080/soffid/webservice/scim2/v1/OtpDevice/4022880",  
        "links": {  
          "requestChallenge":  
            "http://soffid.pat.lab:8080/soffid/webservice/scim2/v1/OtpDevice/4022880/requestChallenge",  
          "responseChallenge":  
            "http://soffid.pat.lab:8080/soffid/webservice/scim2/v1/OtpDevice/4022880/responseChallenge"  
        },  
        "resourceType": "OtpDevice"  
      },  
      "schemas": [  
        "urn:soffid:com:soffid.iam.addons otp.common.OtpDevice"  
      ]  
    }  
  ]  
}
```

```

    ],
    "name": "TOTP000000001",
    "id": 4022880,
    "type": "TOTP",
    "user": "admin",
    "fails": 0,
    "status": "E"
  },
  {
    "lastUsed": "2021-10-14 06:59:33",
    "created": "2021-10-14 06:58:05",
    "meta": {
      "location": "http://soffid.pat.lab:8080/soffid/webservice/scim2/v1/OtpDevice/4022891",
      "links": {
        "requestChallenge":
"http://soffid.pat.lab:8080/soffid/webservice/scim2/v1/OtpDevice/4022891/requestChallenge",
        "responseChallenge":
"http://soffid.pat.lab:8080/soffid/webservice/scim2/v1/OtpDevice/4022891/responseChallenge"
      },
      "resourceType": "OtpDevice"
    },
    "schemas": [
      "urn:soffid:com.soffid.iam.addons.otp.common.OtpDevice"
    ],
    "name": "TOTP000000002",
    "id": 4022891,
    "type": "TOTP",
    "user": "ckelp",
    "fails": 0,
    "status": "C"
  },
  .....
]
}

```

## 2. Disable OTP device

Disble the OTP devices one by one

### Request

```
PATCH http://<your-domain>/soffid/webservice/scim2/v1/OtpDevice/4022880
```

## JSON

```
{
  "Operations":
  [
    {
      "op": "replace",
      "path": "status",
      "value": "D"
    }
  ]
}
```

## Response 200 Ok

```
{
  "lastUsed": "2021-10-14 06:57:00",
  "created": "2021-10-14 06:44:43",
  "meta": {
    "location": "http://soffid.pat.lab:8080/soffid/webservice/scim2/v1/OtpDevice/4022880",
    "links": {
      "requestChallenge":
"http://soffid.pat.lab:8080/soffid/webservice/scim2/v1/OtpDevice/4022880/requestChallenge",
      "responseChallenge":
"http://soffid.pat.lab:8080/soffid/webservice/scim2/v1/OtpDevice/4022880/responseChallenge"
    },
    "resourceType": "OtpDevice"
  },
  "schemas": [
    "urn:soffid:com.soffid.iam.addons.otp.common.OtpDevice"
  ],
  "name": "TOTP00000001",
  "id": 4022880,
  "type": "TOTP",
  "user": "admin",
  "fails": 0,
  "status": "D"
}
```

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