SCIM OTP devices examples

Operations

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

List all

Request

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

Response 200 OK


```
{
    "schemas": [
        "urn:ietf:params:scim:api:messages:2.0:ListResponse"
    ],
    "totalResults": 25,
    "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": "TOTP00000001",
            "id": 4022880,
            "type": "TOTP",
            "user": "franck",
            "fails": 0,
            "status": "D"
        },
        {
            "created": "2021-10-14 08:37:38",
            "meta": {
                "location":
"http://soffid.pat.lab:8080/soffid/webservice/scim2/v1/OtpDevice/4024384",
                "links": {
                    "requestChallenge":
"http://soffid.pat.lab:8080/soffid/webservice/scim2/v1/OtpDevice/4024384/requestChallenge",
                    "responseChallenge":
"http://soffid.pat.lab:8080/soffid/webservice/scim2/v1/OtpDevice/4024384/responseChallenge"
                },
                "resourceType": "OtpDevice"
            },
            "schemas": [
                "urn:soffid:com.soffid.iam.addons.otp.common.OtpDevice"
            ],
            "name": "Email message to pg*****@so****.co*",
            "id": 4024384,
            "type": "EMAIL",
            "user": "patricia",
            "fails": 0,
            "email": "patricia@soffid.com",
            "status": "D"
        },
        {
            "created": "2021-10-14 11:17:52",
            "meta": {
                "location":
```

```
"http://soffid.pat.lab:8080/soffid/webservice/scim2/v1/OtpDevice/4024416",
                "links": {
                    "requestChallenge":
"http://soffid.pat.lab:8080/soffid/webservice/scim2/v1/OtpDevice/4024416/requestChallenge",
                    "responseChallenge":
"http://soffid.pat.lab:8080/soffid/webservice/scim2/v1/OtpDevice/4024416/responseChallenge"
                },
                "resourceType": "OtpDevice"
            },
            "schemas": [
                "urn:soffid:com.soffid.iam.addons.otp.common.OtpDevice"
            ],
            "phone": "666555444",
            "name": "SMS message to 66*****44",
            "id": 4024416,
            "type": "SMS",
            "user": "agatha",
            "fails": 0,
            "status": "V"
        },
      ............
      ............
    ]
}
```


List by filter

List all the OTP devices 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/OtpDevice?filter=type eq "TOTP"
```

Response 200 OK

```
{
    "schemas": [
        "urn:ietf:params:scim:api:messages:2.0:ListResponse"
    ],
    "totalResults": 7,
    "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": "TOTP00000001",
            "id": 4022880,
            "type": "TOTP",
            "user": "franck",
            "fails": 0,
            "status": "D"
        },
      ............
      ............
    ]
}
```


Query by id

Query a OTP device by its id (primary key).

Request

```
GET http://<your-domain>/soffid/webservice/scim2/v1/OtpDevice/5007882
```

Response 200 OK

```
{
    "created": "2022-02-22 07:46:51",
    "meta": {
        "location": "http://soffid.pat.lab:8080/soffid/webservice/scim2/v1/OtpDevice/5007882",
        "links": {
            "requestChallenge":
"http://soffid.pat.lab:8080/soffid/webservice/scim2/v1/OtpDevice/5007882/requestChallenge",
            "responseChallenge":
"http://soffid.pat.lab:8080/soffid/webservice/scim2/v1/OtpDevice/5007882/responseChallenge"
        },
        "resourceType": "OtpDevice"
    },
    "schemas": [
        "urn:soffid:com.soffid.iam.addons.otp.common.OtpDevice"
    ],
    "name": "TOTP00000035",
    "id": 5007882,
    "type": "TOTP",
    "user": "admin",
    "fails": 0,
    "status": "C"
}
```

Create

Allows you to create a new OTP device. It is important the type of the OTP you want to create, and depending on this, it will be mandatory to add new attributes to the request.

- **SMS**: add to the JSON the phone attribute
- **EMAIL**: add to the JSON the email attribute
- **PIN**: add to the JSON the pin attribute

Request

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

JSON

```
{
    "meta": {
        "location": "http://<your-domain>/webservice/scim2/v1/OtpDevice",
        "resourceType": "OtpDevice"
    },
    "schemas": [
        "urn:soffid:com.soffid.iam.addons.otp.common.OtpDevice"
    ],
    "type": "TOTP",
    "user": "admin"
}
```

Response 200 OK


```
{
    "image":
"iVBORw0KGgoAAAANSUhEUgAAAMgAAADIAQAAAACFI5MzAAAC3klEQVR4Xu2XP66jMBDGB7lwFy5gydeg40rkAoRcgFzJn
a+B5AtA58Ji9hueQvJWu8UbS6stMoqiwA9lrPn7Qfw3o99vnPYhHyL2L0mghhOz2Xue+tJGIltBIm9haQPdgufsButxp4L
Qlc1M+C5tSLt1TSWJyy26Jvipd2NfTTJPHU/kmlxariS8RX6w2fhwwt+i82OC/ER3fX2+Ze7HBJbp0iGieCQh54dpSaCBa
Oz8SmbukfY0C1STJAHIZkdQe947d6khkYau3KKZrNktzs77MwYawoTCuTFqEDytHY1PPxqSEQPPwY3WoOeu0WzPbGtIoNH
6tTdzt1BX2ky3w7mSZAnkA95sQge3eRmfMdAQhh8pwLFL94ACR/9VkOzvbB5oX0LnuaEz9xoS/YORcNROGY7jn/nREE5bw
CRwFwtveOQtBgoSJc9rnzggOWm27nUCBcnws1wI3OPgeOpVVQqCkdynqU+rLWQx+fwxEtTEEZXBLoO4KjcpzAqScZWQbcz
RNphZOq+CBHcNkuQmSs+hm4enHw1hXBWM9o39PS4XW161oyBhIZt2MishP/imy3kCDUEAyo3LpZe2m/BUDYlmtdjbUoDYt
IQNyRUkLPj7jdNE5g4hIKVUQWK5BszRQh3PWBf0pncUJCAhRjJDGPZokbdtpiCMooYHs8rZ4WehKuIhnZqM0YIKSo+czsm
nIRFKpxyyArfd8FY7GoKRzISg7gSInqsj2UwdYVZh+c+9jATMZj2J0rUi7ix0YsFsFt9qIrtR5PA9o10wYPx0nlpDjJRhD
4Xi0MoP6NnTj4KEQ4WJFvNbXlDWZ+1oCCwujWhYg7S3sVQR0bDUYj3GI+3xpa81BPoah+3T/UvDygqqIShDNxIq2q8dftD
7W4GGRLyBYT0ujdRRedOwOgKRgvMiS446z2JqwjKfMJUJextCm87dqCHIj+xGj0WxMbT/8v7G8mPyZ/uQDxH7n8kvJ2XgR
r9Rxi0AAAAASUVORK5CYII=",
    "created": "2022-02-22 07:46:51",
    "meta": {
        "location": "http://soffid.pat.lab:8080/soffid/webservice/scim2/v1/OtpDevice/5007882",
        "resourceType": "OtpDevice"
    },
    "schemas": [
        "urn:soffid:com.soffid.iam.addons.otp.common.OtpDevice"
    ],
```

```
    "name": "TOTP00000035",
    "id": 5007882,
    "type": "TOTP",
    "user": "admin",
    "fails": 0,
    "status": "C"
}
```

Example JSON SMS

```
{
    "type": "SMS",
    "user": "dilbert",
    "phone": "6665552222"
}
```

Example JSON EMAIL

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

Example JSON PIN

```
{
    "type": "PIN",
    "user": "dilbert",
    "email": "123456789"
}
```

Update partial

Only attributes with changes will be updated, the other will mantain the same value. This example shows how to enable an OTP device.

Request

```
PATCH http://<your-domain>/soffid/webservice/scim2/v1/OtpDevice/5007882
```

JSON

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

Response 200 OK

```
{
    "created": "2022-02-22 07:46:51",
    "meta": {
        "location": "http://soffid.pat.lab:8080/soffid/webservice/scim2/v1/OtpDevice/5007882",
        "links": {
            "requestChallenge":
"http://soffid.pat.lab:8080/soffid/webservice/scim2/v1/OtpDevice/5007882/requestChallenge",
            "responseChallenge":
"http://soffid.pat.lab:8080/soffid/webservice/scim2/v1/OtpDevice/5007882/responseChallenge"
        },
        "resourceType": "OtpDevice"
    },
    "schemas": [
        "urn:soffid:com.soffid.iam.addons.otp.common.OtpDevice"
    ],
    "name": "TOTP00000035",
    "id": 5007882,
    "type": "TOTP",
    "user": "admin",
    "fails": 0,
    "status": "V"
}
```

Request Challenge

This operation allows Soffid to obtain the PIN code for a specific OTP device. We can use this method to send an email or SMS, depending on the type of OTP device.

Request

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

Response 200 OK

```
{
    "cell": "PIN",
    "cardNumber": "SMS message to 66*****22"
}
```

Response Challenge

This operation allows you to validate a PIN code for a specific OTP device.

Request

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

JSON

```
{
    "pin": "12345678"
}
```

Response 200 OK

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

Delete

In this case, delete operation will cancel the TaskInstace, but does not be deleted form database.

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

Request

```
DELETE - http://<your-domain>/soffid/webservice/scim2/v1/OtpDevice/5007967
```

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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