

# OTP Management

- [OTP settings](#)
- [Users OTP devices](#)


# OTP settings

## Definition

The OTP settings allow the administrator users to configure the available OPT options. Soffid provides four different OTP implementations.

Main Menu > Administration > Configuration > Security settings > OTP settings

## Screen overview



Search

?

⚙

[Main Menu](#) > [Administration](#) > [Configuration](#) > [Security settings](#) > [OTP settings](#)

### Email

Enabled : ☒ Yes ☐ No

Number of digits :

Subject :

Body :

Body :

Number of failures to lock the token :

### Voice (alternative to SMS)

Enabled : ☐ Yes ☒ No

Url to send the voice message :

HTTP Method :

HTTP Headers :

POST data to send :

Text to be present in the HTTP response :

### Event based HMAC Token

Enabled : ☒ Yes ☐ No

Number of digits :

Algorithm :

Issuer :

Number of failures to lock the token :

### Security PIN

Enabled : ☒ Yes ☐ No

Minimum PIN length :

Number of digits from the PIN to ask :

Number of failures to lock the token :

Confirm changes

### SMS

Enabled : ☒ Yes ☐ No

Number of digits :

Url to send the SMS :

HTTP Method :

HTTP Headers :

POST data to send :

Text to be present in the HTTP response :

Number of failures to lock the token :

### Time based HMAC Token

Enabled : ☒ Yes ☐ No

Number of digits :

Algorithm :

Issuer :

Number of failures to lock the token :

# Standard attributes

## Email

- **Enabled:** allows you to enable or disable the OTP implementation.
- **Number of digits:** number of digits of the PIN code that will be generated.
- **Subject**
- **Body**
- **Number of failures to lock the token**

To send an email, will be mandatory to fill in the value of the **mail.from** parameter. You can visit the [mail server parameters](#).

## SMS

- **Enabled:** allows you to enable or disable the OTP implementation.
- **Number of digits:** number of digits of the PIN code that will be generated.
- **URL to send the SMS:** enter the URL of your SMS provider rest service

```
https://www.xxxxxxx.com/cgi-bin/sms/http2sms.cgi?account=sms-bg490971-1&password=XXXXXXt&login=user&from=SOFFID&to=${PHONE}&message=This is your access PIN: ${PIN}&noStop&contentType=application/json&class=0
```

- **HTTP Method:** enter POST or GET depending on your provider documentation
- **HTTP Header:** optionally, you can add any HTTP header, including Basic or Bearer authentication tokens. The header must include the header name and header value. For instance:  
`Authorization: Basic dXNlcjpwYXNzd29yZA==`
- **POST data to send** Enter the body of the HTTP request
- **Text to be present in the HTTP response:** Soffid will check the response from your SMS Provider contains this text

```
"status":100
```

- **Number of failures to lock the token**

The URL and POST data to be sent, the administrator can use some tags that will be replaced by some target user attributes:

- `${PHONE}`: The target phone number
- `${PIN}`: The one-time password to be entered by the user
- `${userAttribute}`: Any of the standard or custom user attributes, like `${fullName}` or `${userName}`

## Voice (alternative to SMS)

- **Enabled**: allows you to enable or disable the OTP implementation.
- **URL to send the SMS**: enter the URL of your voice call provider rest service
- **HTTP Method**: enter POST or GET depending on your provider's documentation
- **HTTP Header**: optionally, you can add any HTTP header, including Basic or Bearer authentication tokens. The header must include the header name and header value. For instance:

```
Authorization: Basic xxxxxxxxxxxxxxxOUVCRS1DMzE0LTl3MzAtQkY0Qy05RDgwRTMyQUQ4OUY=
Content-Type: application/json
Accept: application/json
```

- **POST data to send** Enter the body of the HTTP request.

```
Text to be present in the HTTP response: Soffid will check the response from your SMS Provider
contains this text
```

The POST data to be sent, the administrator can use some tags that will be replaced by some target user attributes:

- `${PHONE}`: The target phone number
- `${PIN}`: The one-time password to be entered by the user
- **Number of failures to lock the token**

## Time based HMAC Token

- **Enabled**: allows you to enable or disable the OTP implementation.
- **Number of digits**: number of digits of the PIN code that will be generated.
- **Algorithm**: allows you to select an HMAC algorithm.
- **Issuer**
- **Number of failures to lock the token**

## Event based HMAC Token

- **Enabled**: allows you to enable or disable the OTP implementation.

- **Number of digits:** number of digits of the PIN code that will be generated.
- **Algorithm:** allows you to select an HMAC algorithm.
- **Issuer**
- **Number of failures to lock the token**

## Security PIN

- **Enabled:** allows you to enable or disable the Security PIN implementation.
- **Minimum PIN length:** minimum number of digits that the PIN has to have.
- **Number of digits from the PIN to ask:** number of digits that Soffil will ask to verify the identity.
- **Number of failures to lock the token**

## Actions

Confirm changes	Allows you to save the updates and quit the page.
-----------------	---

# Users OTP devices

## Description

Soffid allows you to manage the OTP devices for each user. That option will be available on the User window. You need to query the user on the Users window, click the proper user and go to the OTP devices Tab, here you could manage the OTP devices for that user.

## Screen overview

Main Menu > Administration > Resources > Users 1 / 1

Basics Groups Accounts Roles Effective Roles Shared accounts Sessions User processes **OTP devices**

dilbert - Dilbert dilbert .

Name	Status
Filter	Filter
<input type="checkbox"/> HOTP00000017	Disabled
<input type="checkbox"/> SMS message to 63****	Disabled
<input type="checkbox"/> Email message to pa***	Enabled
<input type="checkbox"/> SMS message to 63****	Disabled
<input type="checkbox"/> HOTP00000020	Disabled
<input type="checkbox"/> HOTP00000021	Disabled
<input type="checkbox"/> SMS message to 63****	Enabled
<input type="checkbox"/> Email message to pg***	Enabled
<input type="checkbox"/> HOTP00000022	Disabled
<input type="checkbox"/> Email message to pg***	Disabled
<input checked="" type="checkbox"/> HOTP00000023	Disabled

**OTP device**  
dilbert - Dilbert dilbert . ◀ 11 / 11

Name : HOTP00000023

Type : Event-based HMAC OTP

Email address :

Phone number :

Last use :

Created : 11/8/21 09:31

Fails : 0

Status : Disabled ▾

Close

Displayed rows: 11

## Standard attributes

- **Name:** automatic name assigned to the OTP device.
- **Type:** selected type
- **Email address**
- **Phone number**
- **Last use**
- **Created**

- **Fails:** fails number when the OTP device was created.
- **Status:**
  - Created
  - Enabled
  - Locked
  - Disabled

# Actions

<b>Add</b>	Allows you to add a new OTP devices. To add a new OTP devices you need clic the add button (+), the Soffid will display a new wizard to config the OTP devices. Fist of all you need select the OTP device Type and then Apply changes.
<b>Delete</b>	Allows you to delete one or more OTP devices for a specific user. To delete OTP devices first select the devices, then click on the subtract button (-), then Soffid will ask you to confirm or cancel the operation.
<b>Change Status</b>	Allows you to change the OTP device status. First of all you need click the proper OTP device, then change the status and finally close the window.