

OTP settings (addon otp)

Definition

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

This page is available if you have previously installed the Soffid **OTP add-on**.

Configure these options as a second authentication factor in the Soffid **identity provider**. Remember that this functionality is found in the **federation add-on**.

Screen overview

The screenshot shows the Soffid administration interface. On the left is a navigation menu with categories like 'Advanced', 'My OTP devices', 'Resources', 'Tools', 'Configuration', 'Global Settings', 'Integration engine', 'Workflow settings', and 'Security settings'. The 'Security settings' section is expanded to show 'Email' and 'SMS' options. The main content area displays configuration fields for both. The 'Email' section includes an 'Enabled' toggle (checked), 'Number of digits' (6), 'Subject' (Authentication code), and a 'Body' text area containing 'Your authentication code is \${PIN}'. The 'SMS' section includes an 'Enabled' toggle (checked), 'Number of digits' (6), 'Url to send the SMS' (https://www.ovh.com/cgi-bin/sms/http2sms.cgi?account=...&passwoi), 'HTTP Method' (GET), and 'HTTP Headers' (HTTP Headers). The right side of the 'SMS' section contains 'POST data to send' (POST data to send), 'Text to be present in the HTTP response' (Text to be present in the HTTP response), and 'Number of failures to lock the token' (10). At the top right of the main area are 'Expand all', 'Collapse all', and 'DB' buttons. The breadcrumb trail at the top reads 'Main Menu > Configuration > Security settings > OTP settings'.

The screenshot displays the Soffid configuration interface. On the left is a navigation sidebar with categories like ISS, IGA, AH, PAM, and IRC. The main content area is titled 'Advanced' and contains four configuration sections:

- Voice (alternative to SMS):** Includes an 'Enabled' toggle (Yes), a text input for 'Url to send the voice message', a dropdown for 'HTTP Method' (set to GET), and a text area for 'HTTP Headers'. On the right, there are two text areas for 'POST data to send' and 'Text to be present in the HTTP response'.
- Time based HMAC Token:** Includes an 'Enabled' toggle (Yes), a text input for 'Number of digits' (6), a dropdown for 'Algorithm' (HmacSHA1), and a text input for 'Number of failures to lock the token' (10). The 'Issuer' field is also present.
- Event based HMAC Token:** Similar to the Time based token, with 'Enabled' (Yes), 'Number of digits' (6), 'Algorithm' (HmacSHA1), and 'Number of failures to lock the token' (10).
- Security PIN:** Includes an 'Enabled' toggle (Yes), a text input for 'Number of digits from the PIN to ask' (3), and a text input for 'Number of failures to lock the token' (10).

A 'Confirm changes' button is located at the bottom right of the configuration area.

Related objects

- [My certificates and FIDO tokens](#) : to autoconfigure certificates and FIDO tokens
- [My OTP devices](#) : to autoconfigure certificates and FIDO tokens
- [Authentication](#) : OTP settings for Console
- [Identity providers](#) : to enable OTP options as second factors of authentication

Standard attributes

Email

- **Enabled:** allows you to enable or disable a PIN sent by the Email implementation.
- **Number of digits:** number of digits of the PIN code that will be generated.
- **Subject:** subject of the email
- **Body:** body of the email

- **Number of failures to lock the token:** upon reaching the configured number of failures, the token will no longer be usable.

To **send an email**, you must register a **mail server**. To this purpose, Soffid has a set of **parameters** that you can find on the [Soffid parameters](#) page.

SMS

- **Enabled:** allows you to enable or disable a PIN sent by the SMS 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:** upon reaching the configured number of failures, the token will no longer be usable.

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}`

Soffid does not offer any SMS services, this service must be provided by the customer.

Voice (alternative to SMS)

- **Enabled:** allows you to enable or disable a PIN sent by the voice 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 xxxxxxxxxxxxxxxOUVCRS1DMzE0LTI3MzAtQkY0Qy05RDgwRTMyQUQ4OUY=  
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
```

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

```
"status":100
```

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

Soffid does not offer any voice service, this service must be provided by the customer.

Time based HMAC Token

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

An additional application is required to load the OTP generation settings. You may use any of the following: Google Authenticator, Microsoft Authenticator, FreeOTP Authenticator.

Event based HMAC Token

- **Enabled:** allows you to enable or disable an OTP Event based HMAC Token implementation.
- **Number of digits:** number of digits of the PIN code that will be generated.
- **Algorithm:** allows you to select an HMAC algorithm.
- **Issuer:** name of the issuer of the PIN.
- **Number of failures to lock the token:** upon reaching the configured number of failures, the token will no longer be usable.

An additional application is required to load the OTP generation settings. You may use any of the following: Google Authenticator, Microsoft Authenticator, FreeOTP Authenticator.

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:** upon reaching the configured number of failures, the token will no longer be usable.

Actions

Expand all	Displays all the attributes of the different blocks.
Collapse all	Hide all attributes of the different blocks.
"Types of views"	Change the view type: Classic view, Modern view, Compact design.
Confirm changes	Allows you to save the updates and quit the page.

Revision #11

Created 19 July 2025 12:09:14 by Sion Vives

Updated 22 October 2025 15:51:38 by Sion Vives