

QUICK START GUIDE

PASSCYPHER HSM PGP License

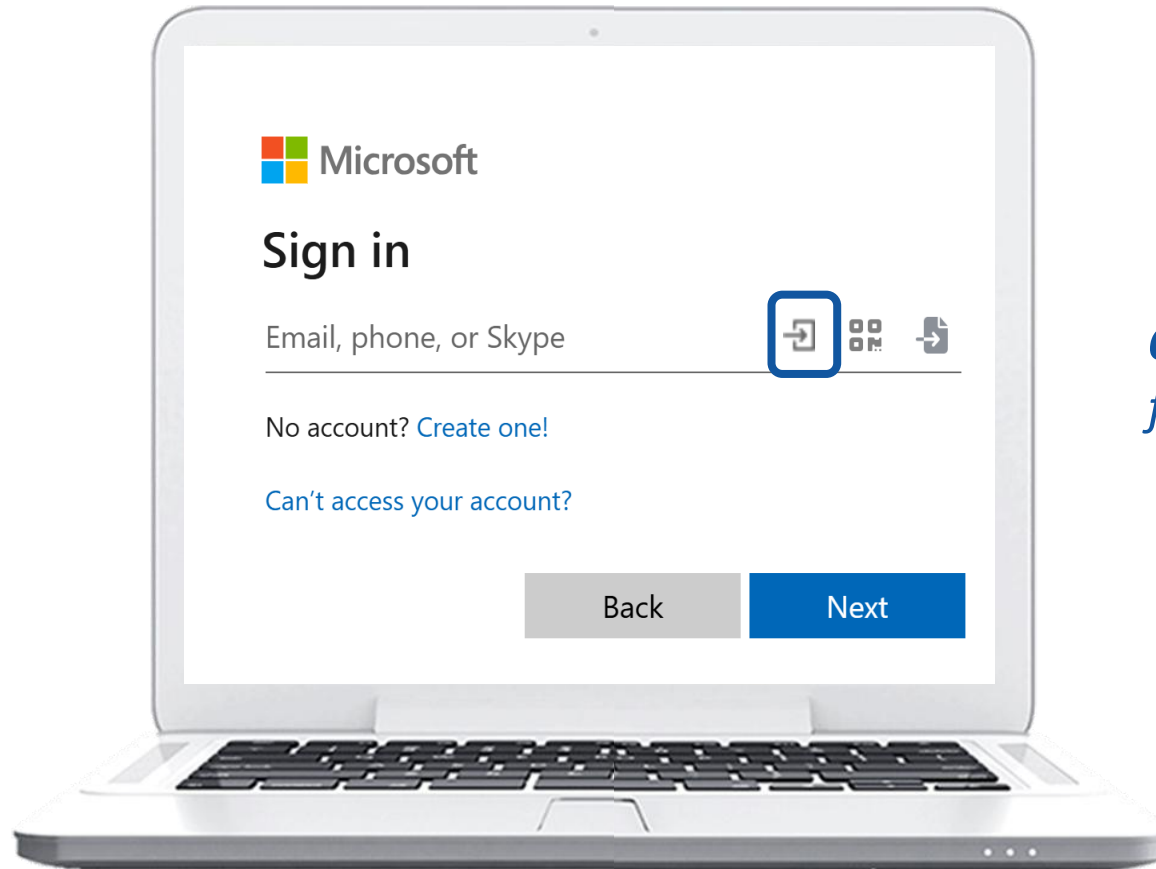
By Freemindtronic Andorra

Password manager with robust security

Serverless, Databaseless, without identification
« Zero Trust & Zero Knowledge »



INSTANT AUTOMATIC LOGIN



One click on the indicated icon, the fields are filled, and the connection is established.

CONTENTS

- Operating principle
- Installation of the PassCypher HSM PGP extension
- Purchase and activation of the paid license (PassCypher Engine)
- Creation of segmented keys
- Creation and backup of login credentials (encrypted containers)
- Random password generator
- TOTP/HOTP Key Management (2FA) **Innovation 2025**
- ONE CLICK Connection
- More features



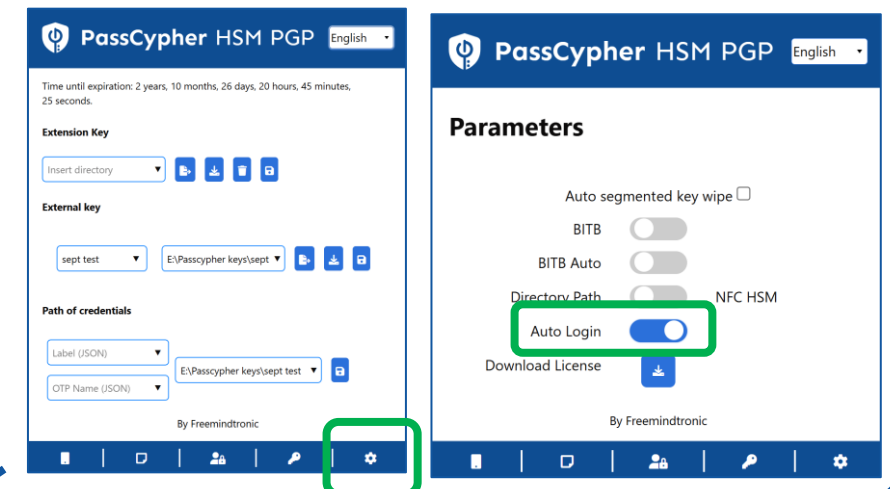
HOW DOES IT WORK?

- **PassCypher HSM PGP** is a browser extension that allows instant automatic login.
- A **patented system of segmented key authentication** is implemented.
- You benefit from **maximum security** and **unmatched execution speed**.
- **Click on the icon** shown below in the "Identifier" field.
- The fields are filled, and the login is completed
- Remember to enable Auto Login* in the extension settings.



(*) Enable Auto Login

Click the « **Settings** » icon, then slide the « **Auto Login** » button to the right.



INSTALL THE EXTENSION

Download and install the PassCypher HSM PGP extension



CHROME : [chrome web store](#)



BRAVE : [chrome web store](#)



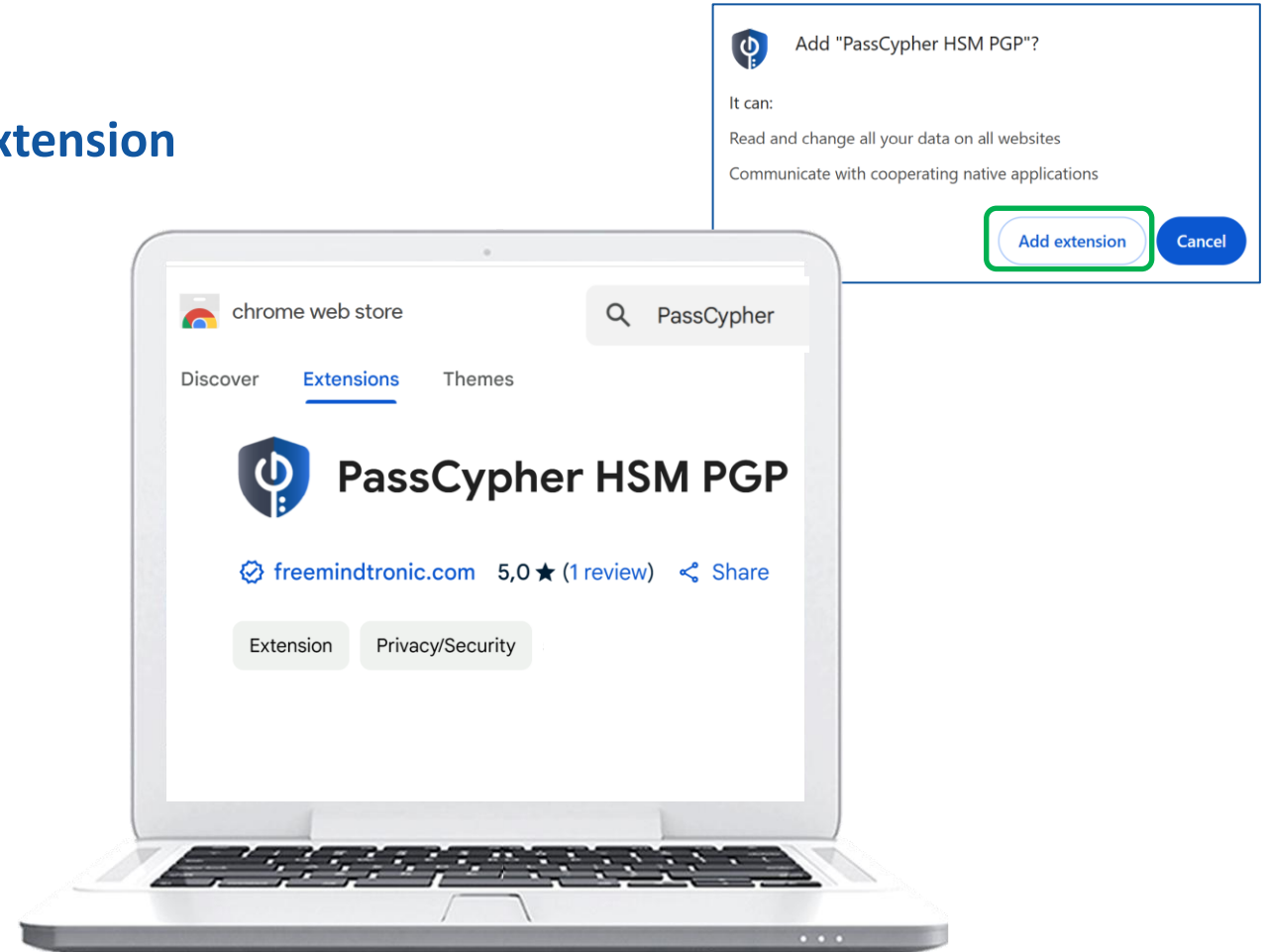
OPERA : [chrome web store](#)



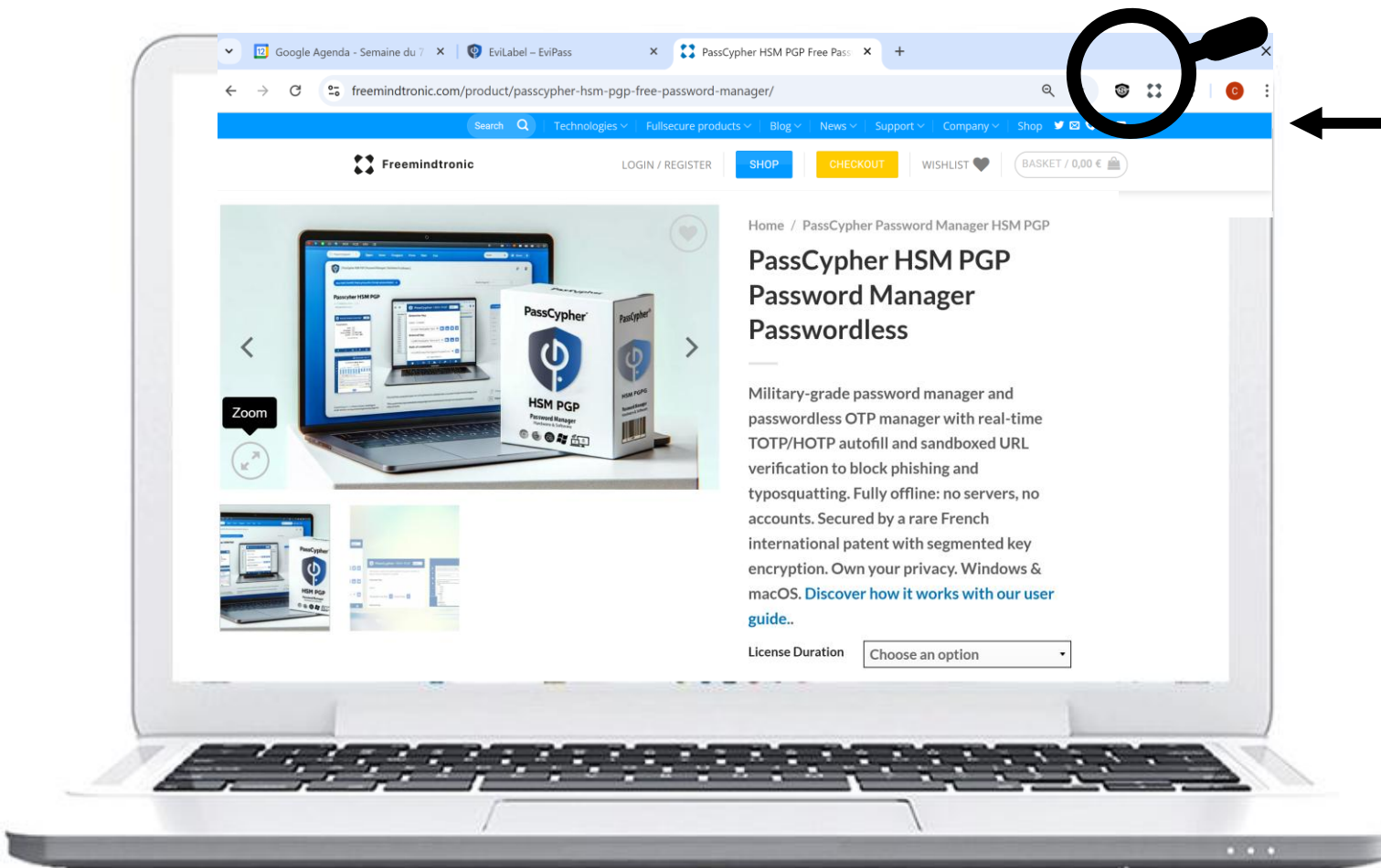
MICROSOFT EDGE : [PassCypher HSM PGP - Microsoft Edge Addons](#)



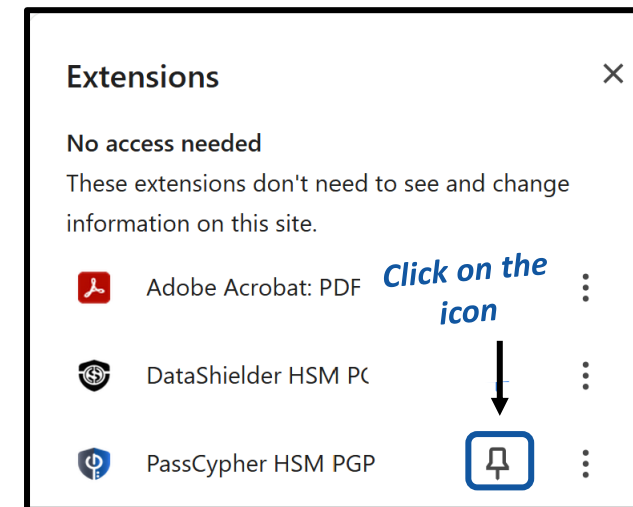
FIREFOX : in progress



COMPLETE THE INSTALLATION



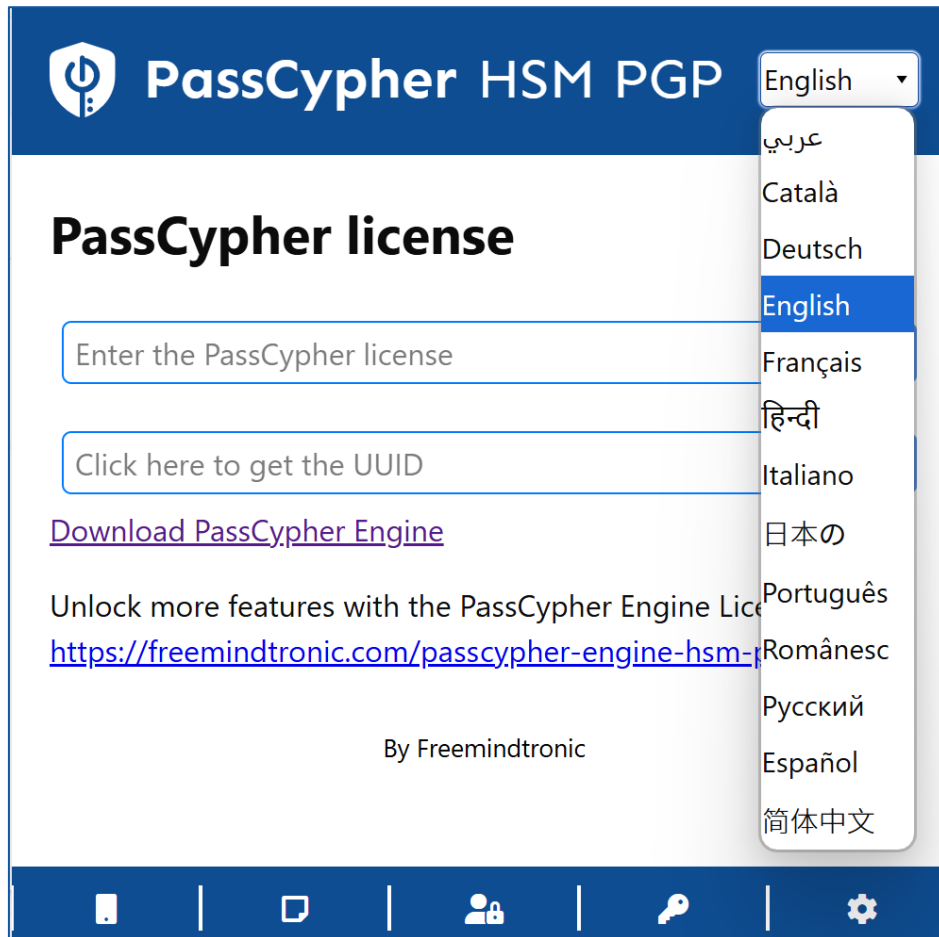
Click on this icon to access the extensions.



Click on the PassCypher icon at the top right of your computer screen to open the extension.



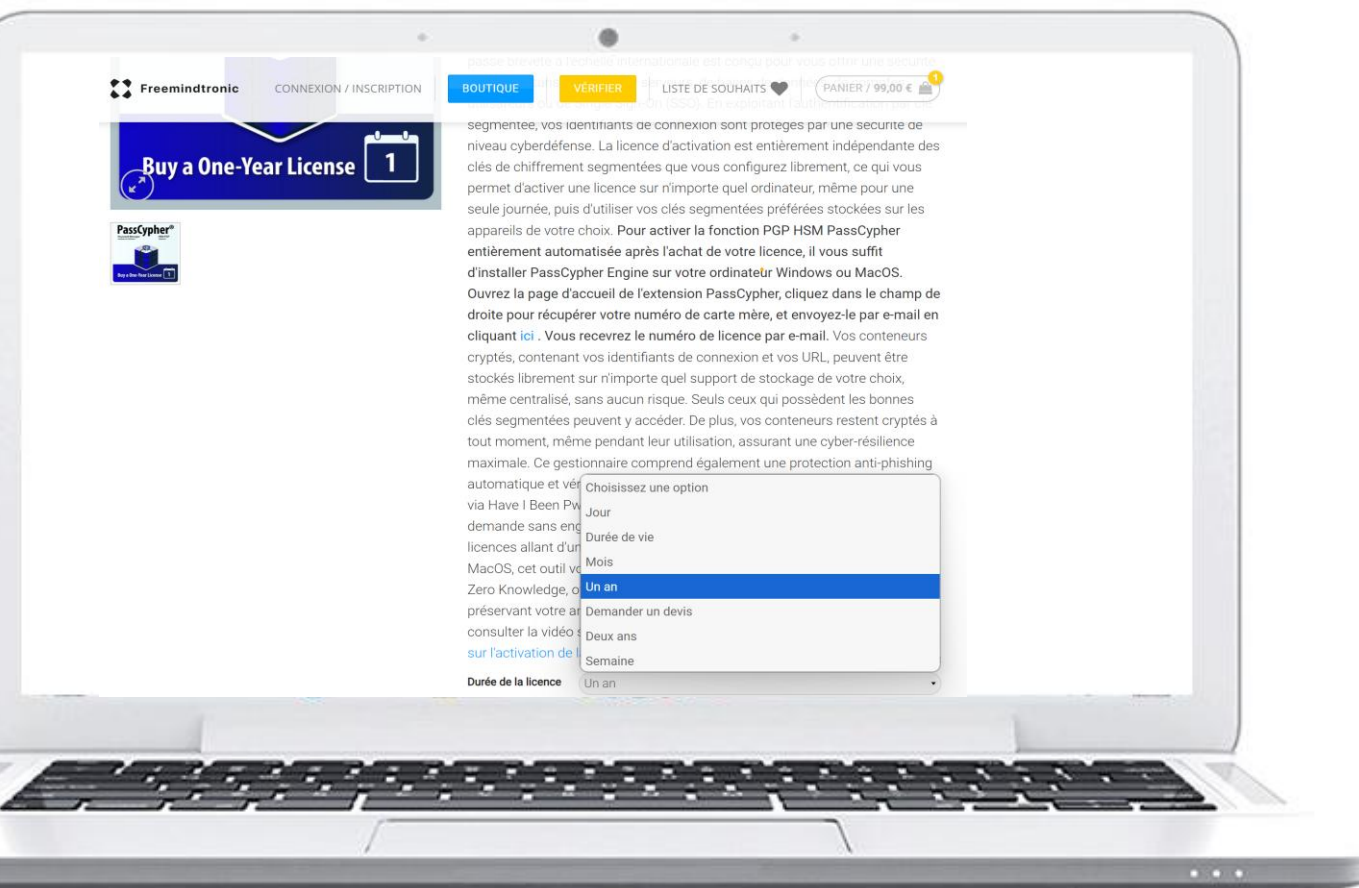
MULTILINGUAL EXTENSION



The PassCypher HSM PGP extension is translated into 13 languages: Arabic, Catalan, German, English, French, Hindi, Italian, Japanese, Portuguese, Romanian, Russian, Spanish and Chinese.

You can choose the language in which the extension is displayed.

PURCHASE THE LICENSE



- ❖ Visit the FREEMINDTRONIC store
- ❖ Select “**PassCypher HSM PGP Password Manager**”
- ❖ Choose the option* that suits you best
- ❖ Proceed with the payment
- ❖ The next slide explains how to activate your license

(*) Note: There are several subscription options available: daily, weekly, monthly, or annually.

ACTIVATE THE LICENSE



PassCypher HSM PGP

English ▼

PassCypher license

☒



[Download PassCypher Engine](#)

Unlock more features with the PassCypher Engine License:
<https://freemindtronic.com/passcypher-engine-hsm-gpg/>

By Freemindtronic












Click on "**Download PassCypher Engine**" and install the software (Windows or macOS)*. Then click to obtain the **UUID of your computer**.



PassCypher HSM PGP

English

PassCypher license

☒

20180704-3837-8BF1-B124-38378BF1B128

☐

[Download PassCypher Engine](#)

Unlock more features with the PassCypher Engine License:
<https://freemindtronic.com/passcypher-engine-hsm-pgp/>

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Send this number to **fullsecure [at] freemindtronic.com**



PassCypher HSM PGP

English ▼

PassCypher license

eyJhbGciOiJIUzI1NiIsInR5cCI6IkpXVCJ9.eyJleHAiOiJlE3NjQ


20180704-3837-8BF1-B124-38378BF1B128

Download PassCypher Engine

Unlock more features with the PassCypher Engine License:
<https://freemindtronic.com/passcypher-engine-hsm-pgp/>

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Copy/paste the license number received in return. Then click on the indicated icon to **activate the license**.





PassCypher HSM PGP

English ▾

Time until expiration: 12 months, 4 days, 10 hours, 26 minutes, 51 seconds.


Extension Key


Generate new key  Import key 


External key

Name (key) ▾

Insert directory ▾








Path of credentials






Étiquette (JSON) ▾

Insert directory ▾



Nom OTP (JSON) ▾

By Freemindtronic

 |  |  |  | 

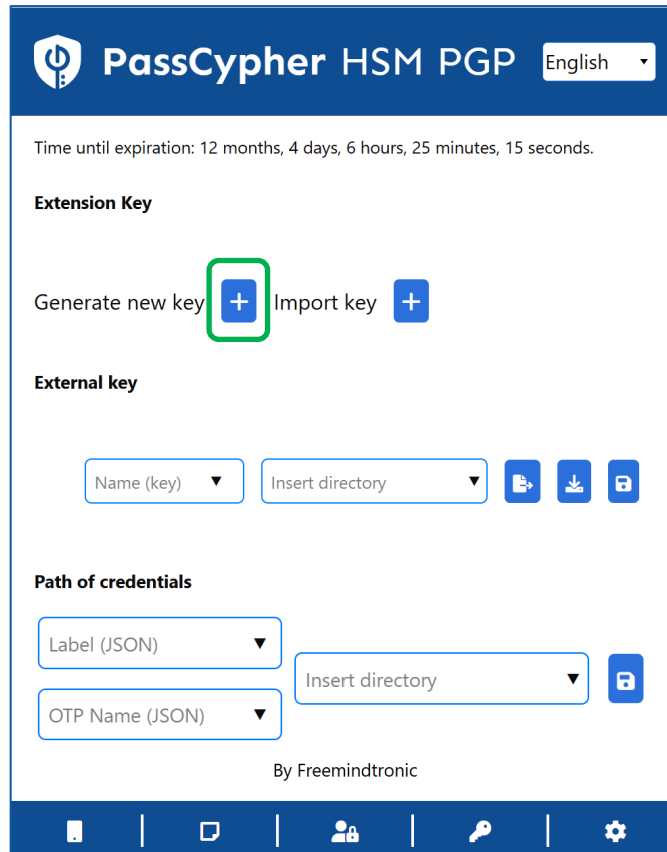
The license is activated. Its validity is displayed in real-time at the top of the page.

(*) Go to « **Download** Folder» and click on the file to install it

 PassCypherEngine_1.3.0_x64 (3).exe

 [YouTube](#) [Install PassCypher Engine](#)

CREATE YOUR SEGMENTED KEYS



PassCypher HSM PGP English

Time until expiration: 12 months, 4 days, 6 hours, 25 minutes, 15 seconds.

Extension Key

Generate new key + Import key +

External key

Name (key) ▼ Insert directory ▼ 📁 📄 🗑️ 💾

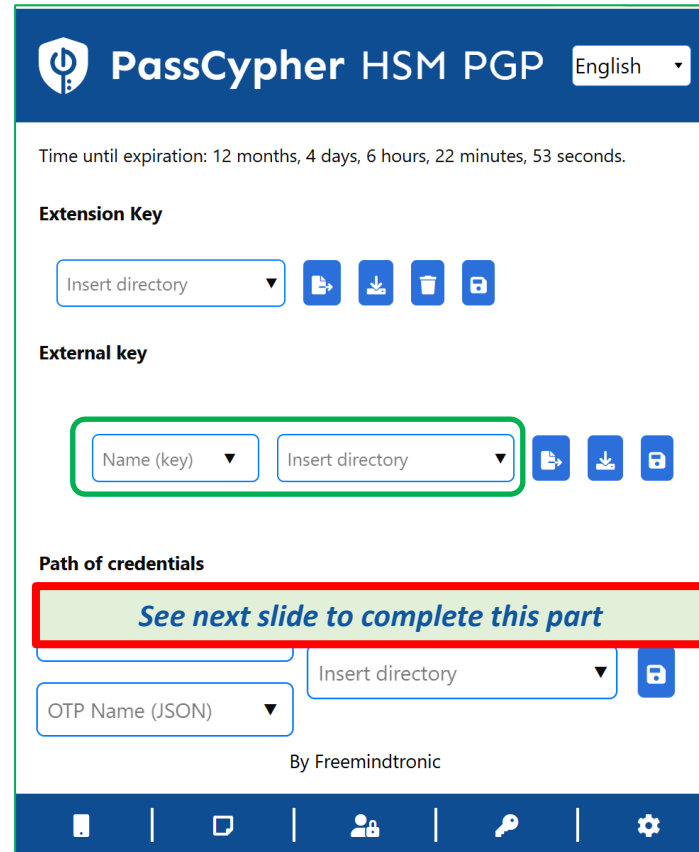
Path of credentials

Label (JSON) ▼ Insert directory ▼ 💾

OTP Name (JSON) ▼

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Click on the "+" symbol to generate an **extension key**. This key is saved in the local storage of your web browser.



PassCypher HSM PGP English

Time until expiration: 12 months, 4 days, 6 hours, 22 minutes, 53 seconds.

Extension Key

Insert directory ▼ 📁 📄 🗑️ 💾

External key

Name (key) ▼ Insert directory ▼ 📁 📄 🗑️ 💾

Path of credentials

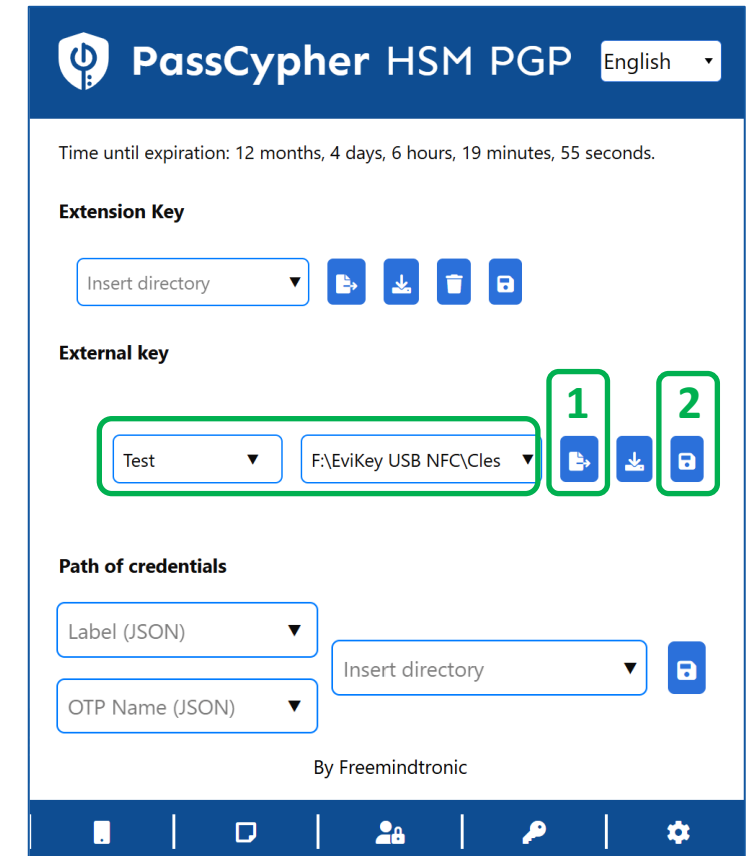
See next slide to complete this part

Insert directory ▼ 💾

OTP Name (JSON) ▼

By Freemindtronic

The extension key is created. You now need to create the **external key**. Assign a name to the key and **insert the storage path**. It is recommended to use external storage (USB key, SSD, etc.).



PassCypher HSM PGP English

Time until expiration: 12 months, 4 days, 6 hours, 19 minutes, 55 seconds.

Extension Key

Insert directory ▼ 📁 📄 🗑️ 💾

External key

Test ▼ F:\EviKey USB NFC\Cles ▼ 📁 📄 🗑️ 💾

Path of credentials

Label (JSON) ▼ Insert directory ▼ 💾

OTP Name (JSON) ▼

By Freemindtronic

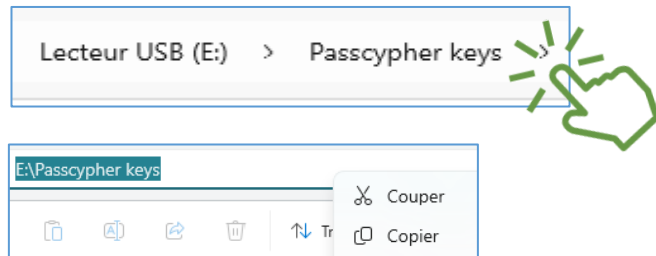
Click on the « **EXPORT** » icon [1] follow by the « **SAVE** » icon [2]. The external key « **Test** » is created and saved.

INSERT THE ACCESS PATH

- **Choose** where you are going to **save your external key** (internal or external hard drive, USB key, etc.)
- Then provide the exact path of this location
- Below you will find out how to do this if you are using a **Windows** or **macOS** operating system.
- **Strictly follow the instructions mentioned.**

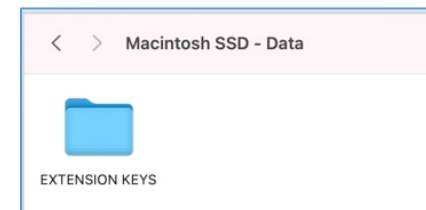
To ensure optimal security, if the external media is not available or connected to the computer, it will not be possible to access the external key.

Windows

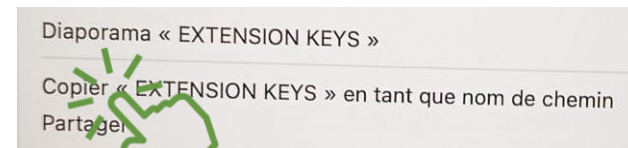


1. Create a folder [here **"PassCypher keys"**] in your external media
2. Location is displayed
3. Click in the window, the path is selected
4. Right click, "Copy" button appears
5. Click "Copy" and paste into the extension without adding any other characters

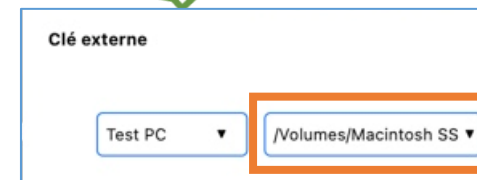
macOS



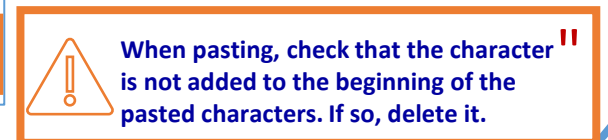
1. Create a folder [here **"EXTENSION KEYS"**] in your external media
2. Location is displayed
3. Hold down the **"alt or option"** key and right-click the mouse



4. Click on **« Copy »**



5. and **paste** in the extension without adding any other characters



CREATE YOUR LOGIN CREDENTIALS

PassCypher HSM PGP English

Time until expiration: 12 months, 1 days, 6 hours, 55 minutes, 3 seconds.

Extension Key

Insert directory

External key

Test F:\EviKey USB NFC\Cles

Path of credentials

Label (JSON) E:\USB EviKey NFC HSM\keys

OTP Name (JSON)

EviPass

Open the extension and **click on the indicated icon "EviPass"** to create your login credentials.

PassCypher HSM PGP

Generate your personalized password

Length: 16

Upper case: ☒ Numbers: ☒ Lower case: ☒ Special characters: ☒

! " # \$ % & ' () * + , - . / : ; < = > ? @ [\] ^ _ ` { | } ~

AES URL

SSH Label name

Username

Password

~0 bits

Fill in the required information. To complete the URL, copy the information displayed in the browser's address bar (see the example below).

PassCypher HSM PGP

Generate your personalized password

Length: 20

Upper case: ☒ Numbers: ☒ Lower case: ☒ Special characters: ☒

! " # \$ % & ' () * + , - . / : ; < = > ? @ [\] ^ _ ` { | } ~

AES https://accounts.google.com/AddSession/signinchooser?hl=en-GB&continue=https%3A%2F%2Fmail.google.com/mail/u/0/

SSH @gmail

username@gmail.com

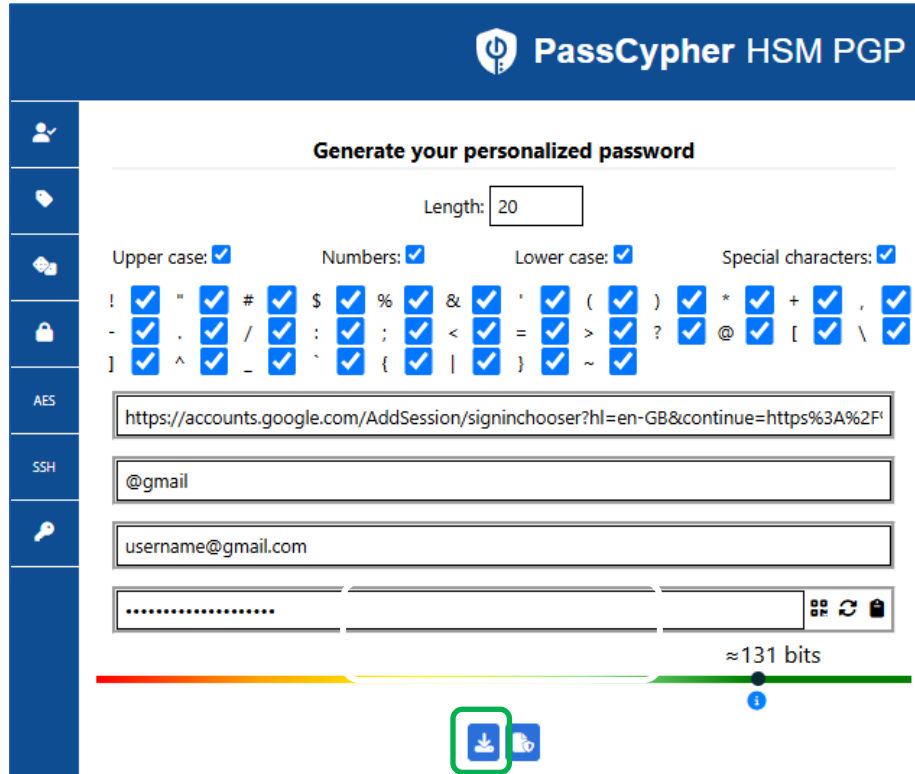
.....

~131 bits

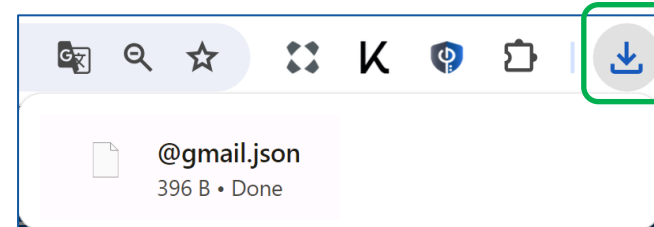
La force de votre mot de passe est calculée en fonction de la taille de l'alphabet qu'il utilise et de sa longueur. Plus la taille de l'alphabet et la longueur du mot de passe sont grandes, plus il sera sécurisé.

URL example = https://accounts.google.com/InteractiveLogin/signinchooser?continue=https%3A%2F%2Fmail.google.com/mail/u/0/

SAVE YOUR LOGIN CREDENTIALS



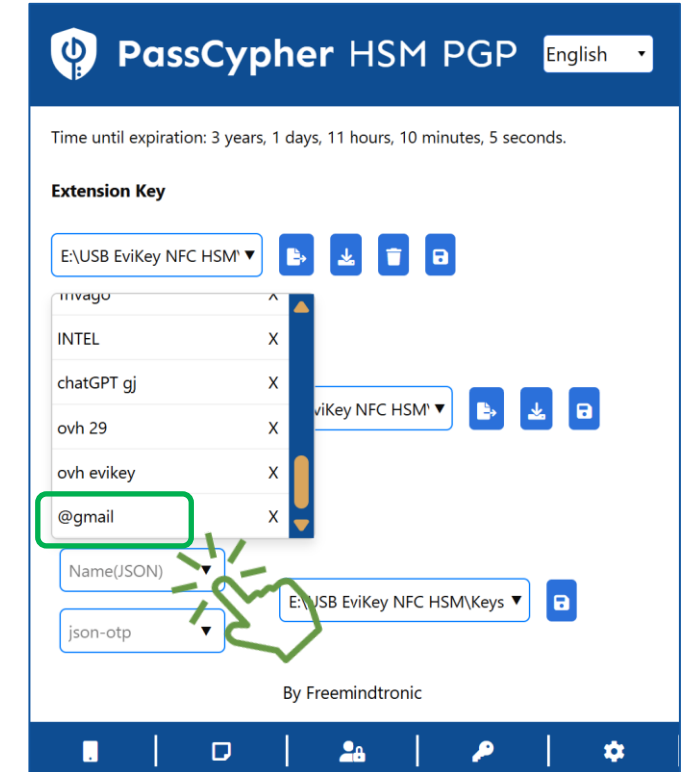
Click on the indicated icon to generate this credential.



The file **@gmail.json** will be available in the "Downloads" folder of your computer.

Choose a folder to save your encrypted containers (.json files). It is recommended to use an external storage device for security reasons.

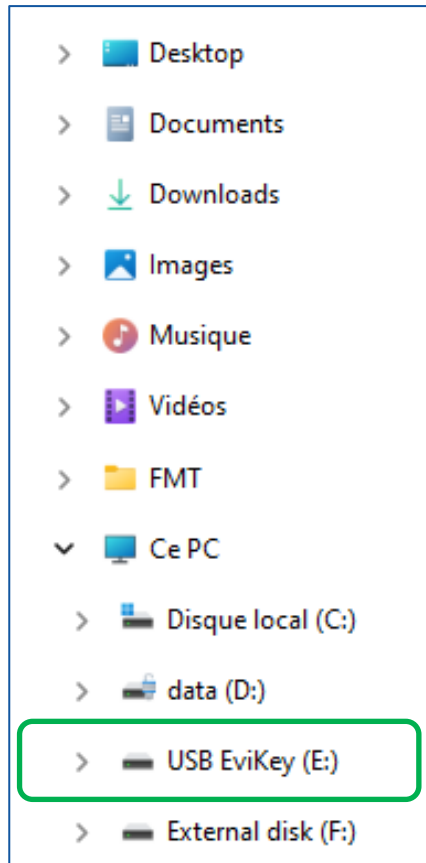
See the next page for details.



The created « .json » file is automatically added in the extension to the list of all the created credentials

Remember to make regular backups to different media, including the cloud since your containers are encrypted.

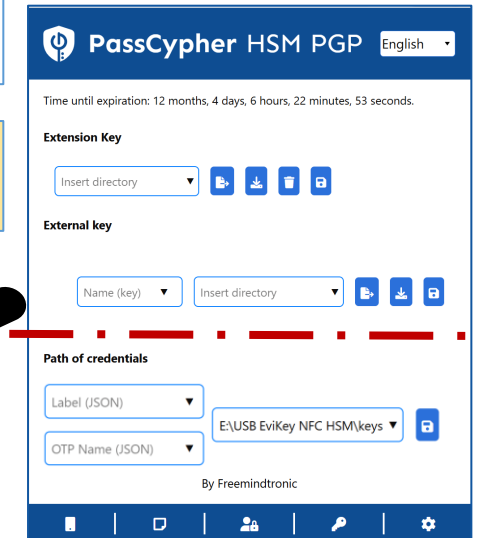
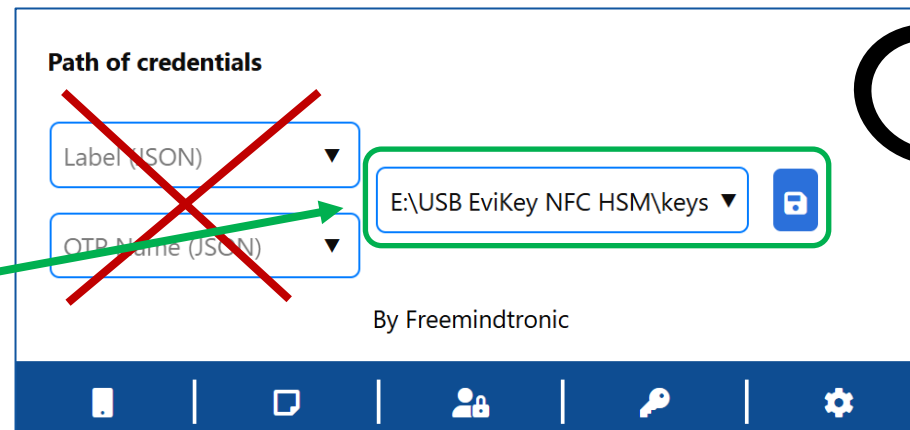
DETERMINE THE PATH TO SAVE YOUR LOGIN CREDENTIALS & OTP




It is **essential to specify the access path to your encrypted containers (.json files)** very precisely to enable automatic login for websites and messaging platforms.


Then, click on the **"Save"** icon  to confirm.

To ensure optimal security, if the external media is not available or connected to the computer, it will not be possible to use encrypted containers.




LOG IN NOW!

1. On your computer, open the website or email you want to connect to
2. Go to the login page [Username & Password]
3. Click on the icon  visible in the connection field
4. The fields are filled automatically and the connection is made (if you have activated Autologin in the Extension Settings)



Sign In or Create an Account

Email 


Next

The New York Times

Log in or create an account


Email Address 


Continue



Sign in

to continue to Proton Mail

Email or username 

Password 



Your password is verified. The green symbol indicates that it has not been compromised



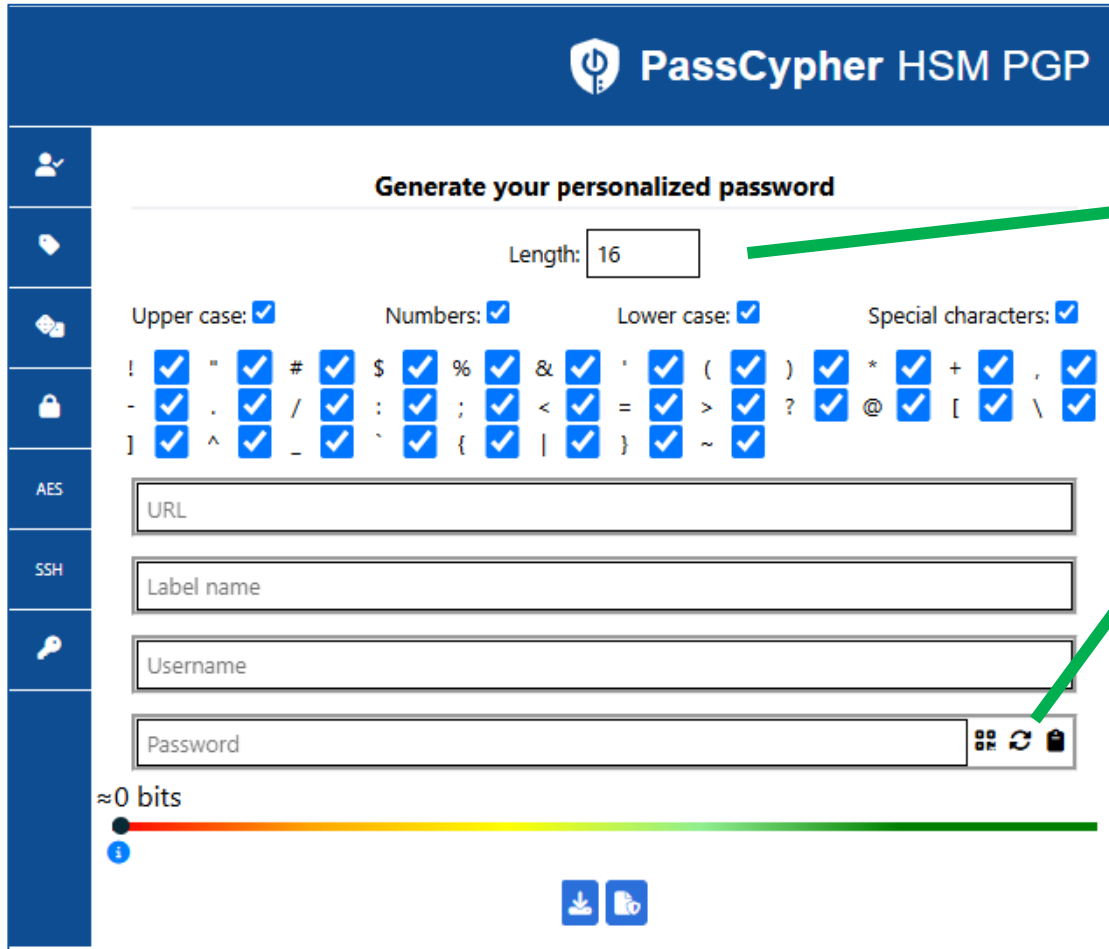
If this symbol appears, it indicates that your password is compromised. Change it!

AUTOLOGIN IN ONE CLICK!

Access your favorite messaging platforms or websites and enjoy a fast, secure, and automatic connection.



USE THE PASSWORD GENERATOR



The interface for the PassCypher HSM PGP password generator. It features a sidebar with icons for user, settings, AES, SSH, and a key icon. The main area is titled "Generate your personalized password". It includes a "Length" input field set to 16, and four checked checkboxes for "Upper case", "Numbers", "Lower case", and "Special characters". Below these are rows of character selection checkboxes for various symbols and characters. There are four input fields: "URL", "Label name", "Username", and "Password". The "Password" field has a strength indicator showing "≈0 bits" and a color gradient bar. A green arrow points from the "Length" field to a callout box, and another green arrow points from the "Generate" button to another callout box.

PassCypher HSM PGP

Generate your personalized password

Length:

Upper case: ☒ Numbers: ☒ Lower case: ☒ Special characters: ☒

! " # \$ % & ' () * + , - . / : ; < = > ? @ [\] ^ _ { | } ~

URL

Label name

Username

Password

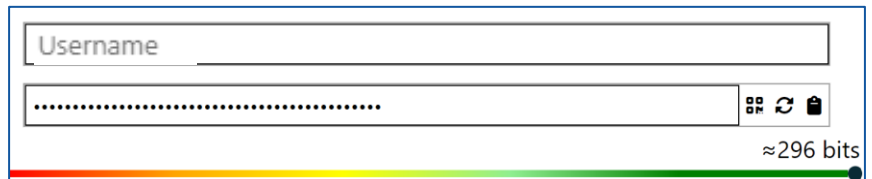
≈0 bits

16

The default password length is 16 characters, but you can modify it in the window.



Click to generate the password (example shown: 45 characters).



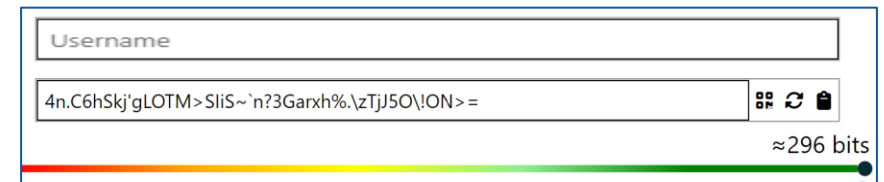
An example of the password generator's output. It shows a "Username" field and a password field filled with dots. The password field has a strength indicator showing "≈296 bits" and a color gradient bar.

Username

.....

≈296 bits

Hover your mouse over the field to view the password in plain text.



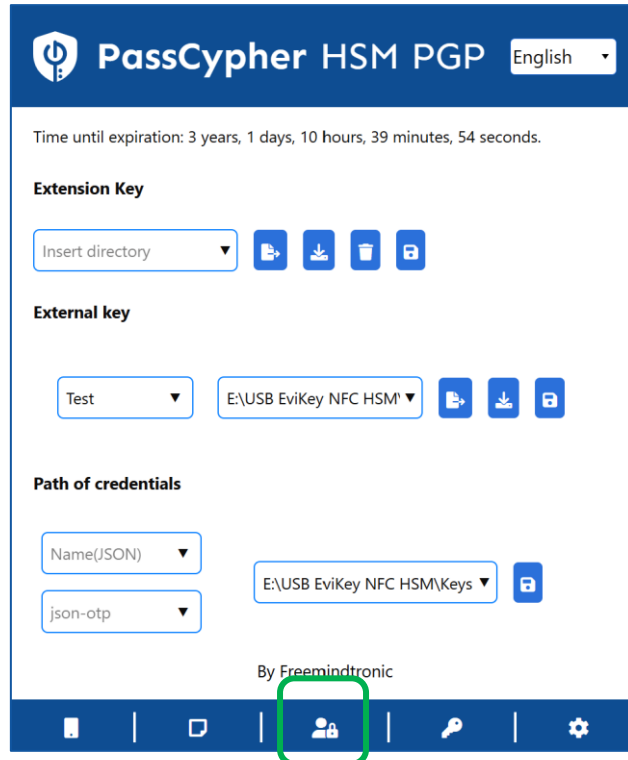
A second example of the password generator's output, showing the password in plain text. It includes a "Username" field and a password field containing the text "4n.C6hSkj'gLOTM>SlIS~`n?3Garxh%.\zTjJ5O\!ON>=". The password field has a strength indicator showing "≈296 bits" and a color gradient bar.

Username

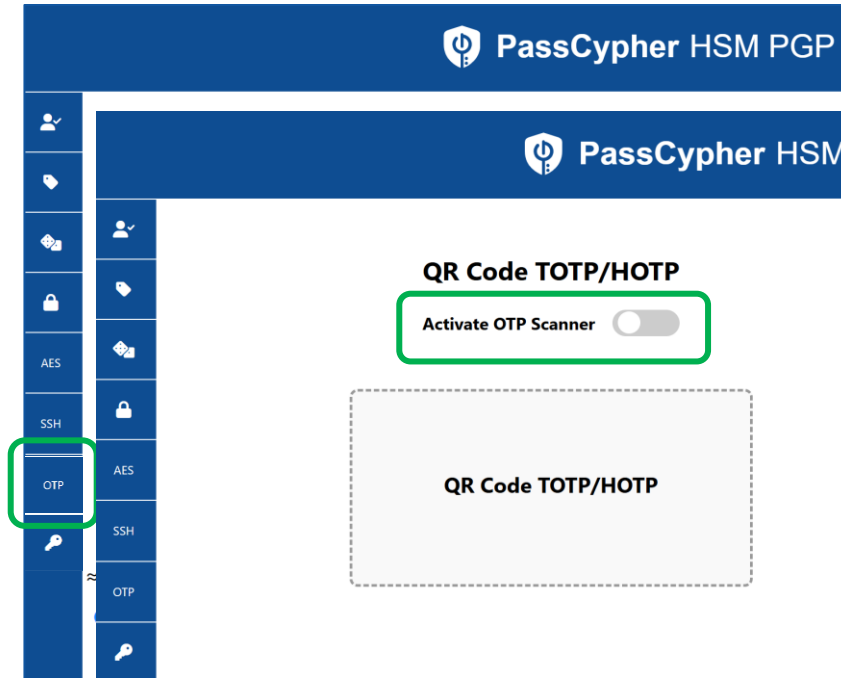
4n.C6hSkj'gLOTM>SlIS~`n?3Garxh%.\zTjJ5O\!ON>=

≈296 bits

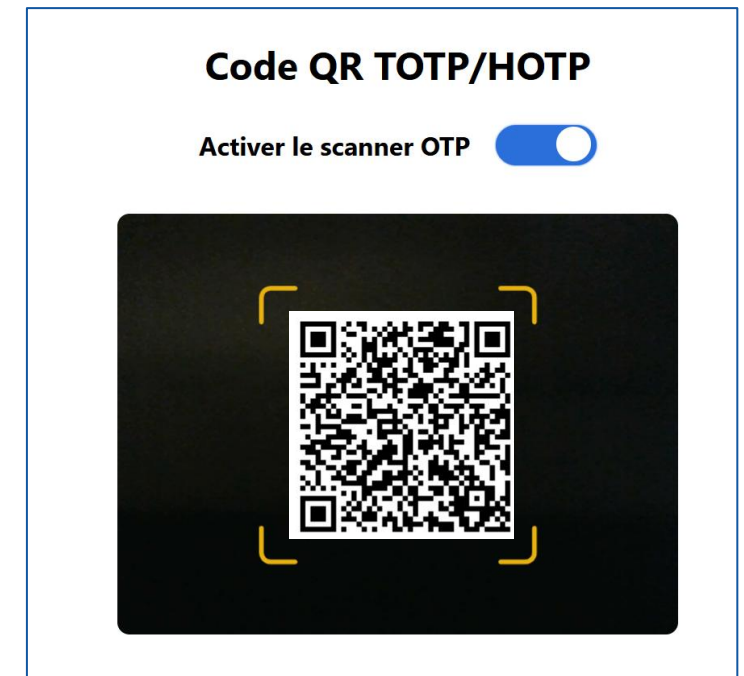
MANAGE YOUR TOTP/HOTP (2FA) 1/2



Open the extension then **click on the indicated icon** to manage your OTP



Click on « **OTP** ». A new window will open. **Drag and drop** the file or enable the **OTP scanner**




Position the **QR code to be scanned** in the camera field


MANAGE YOUR TOTP/HOTP (2FA) 2/2

QR Code TOTP/HOTP

Activate OTP Scanner ☐



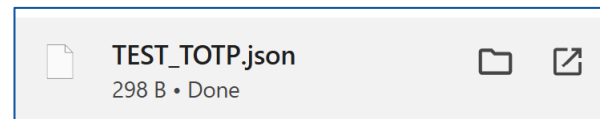
[Remove file](#)



Detected OTP Type: TOTP
Current OTP: 486151

TEST_OTP

The OTP type is detected. Give a name to this OTP code, enter the associated URL and click on the icon to generate a .json file



Retrieve the file from your **Downloads** and place it in the **appropriate folder** (see slide 15).

Label (JSON)

OTP Name (JSON)

In this example, the file is saved in a USB stick

PassCypher HSM PGP English

Time until expiration: 3 years, 1 days, 10 hours, 24 minutes, 48 seconds.

Extension Key

Insert directory

External key

Test

Search...

TEST_TOTP X

OTP OVH 29 X

json-otp

By Freemindtronic

The created ".json" file is automatically added in the extension to the list of all created OTPs.

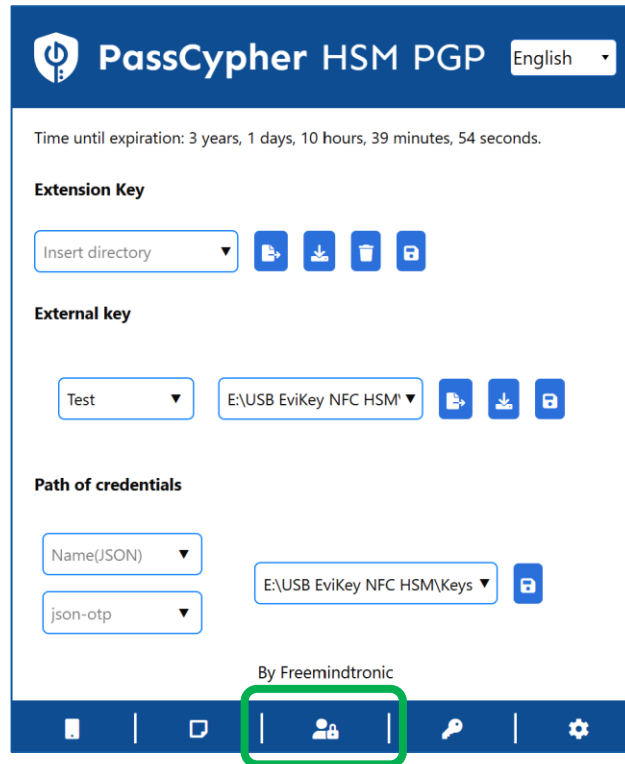
AUTHENTICATE WITH OTP

If you have enabled two-factor authentication on a website, this is the type of page that you will see

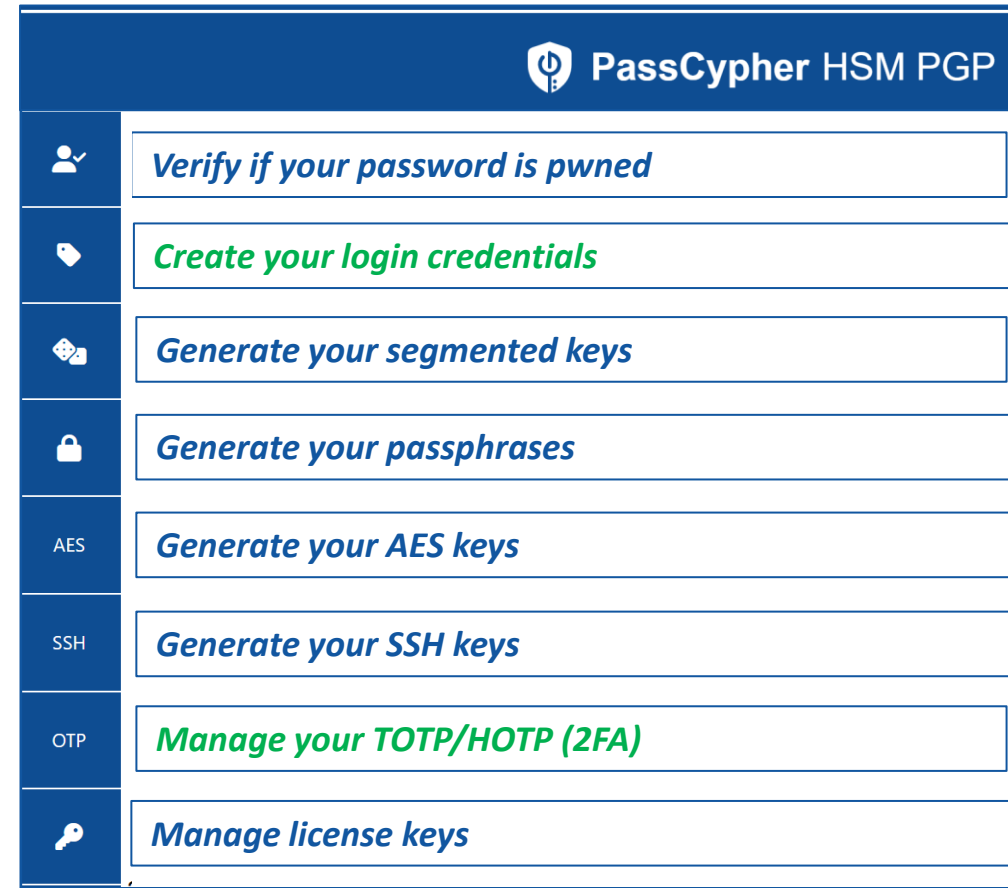
Click on the indicated icon, the code will automatically be inserted into the field...

... and the connection is made

EVIPASS FUNCTIONNALITIES



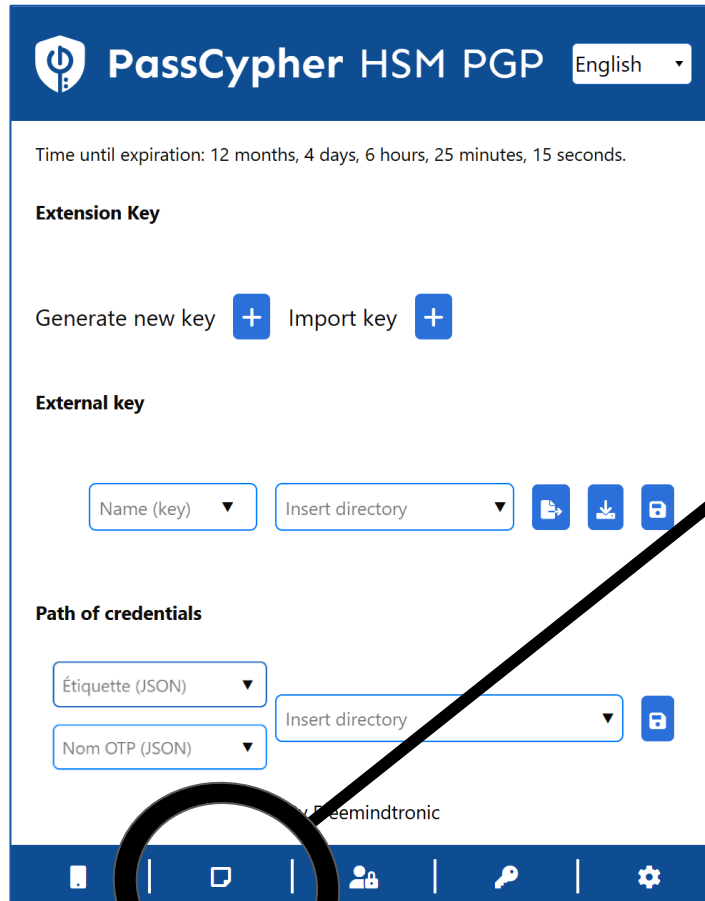
Click the indicated icon to access all the fonctionnalités available



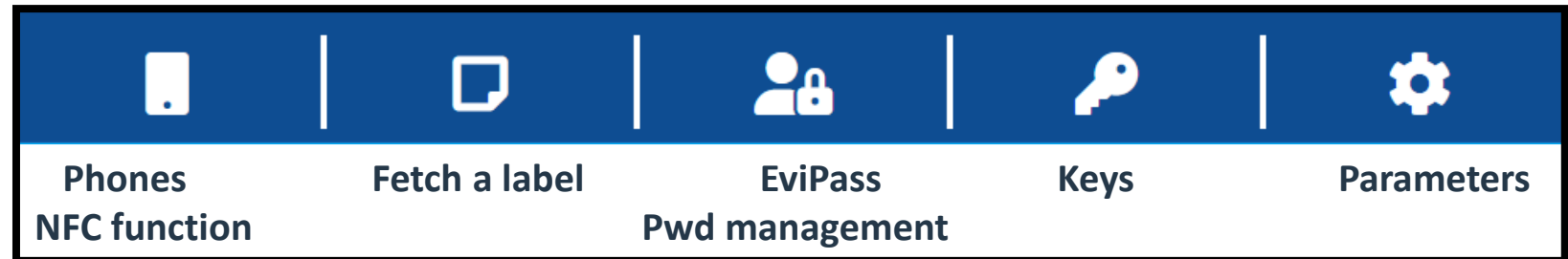
Only **functionalities indicated in green color** are explained here.

The other functionalities are explained in the document « **en-complete-tutorial-passcypher-hsm-pgp-license** » available on the FMT website
<https://freemindtronic.com/how-passcypher-hsm-pgp-works/>

MORE FUNCTIONALITIES



By default, the extension opens on the « keys » window



Find other features explained in the complete tutorial available on the
Freemindtronic website.

<https://freemindtronic.com/how-passcypher-hsm-pgp-works/>

Take back control, Take back power

EviPass Technology

By Freemindtronic Andorra



To know more: <https://www.freemindtronic.com>



[Freemindtronic](https://www.freemindtronic.com)



Channel Freemindtronic