

TUTORIAL EXTENSION PASSCYPHER HSM PGP Free

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Serverless, database-free, no identification
« Zero Trust & Zero Knowledge »



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INSTALLATION

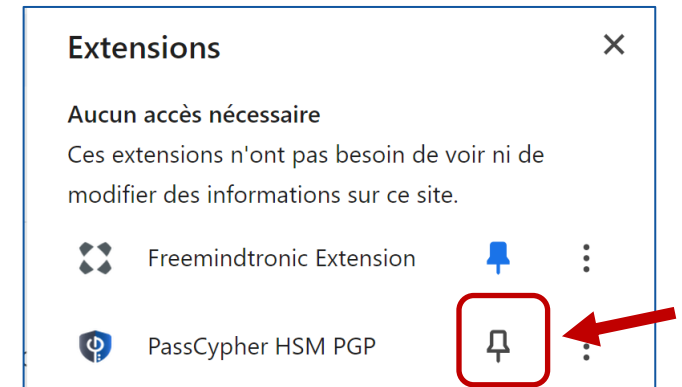
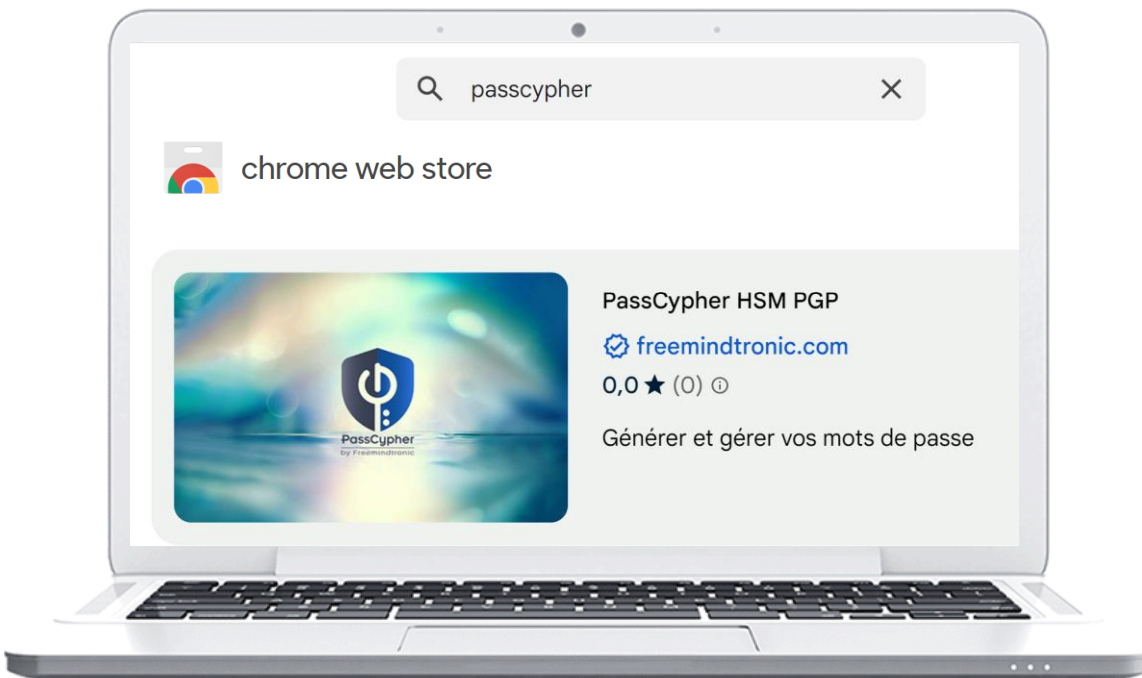
Download and install the free PassCypher HSM PGP extension

CHROME : [chrome web store](#)

FIREFOX : in progress

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

OPERA : in progress

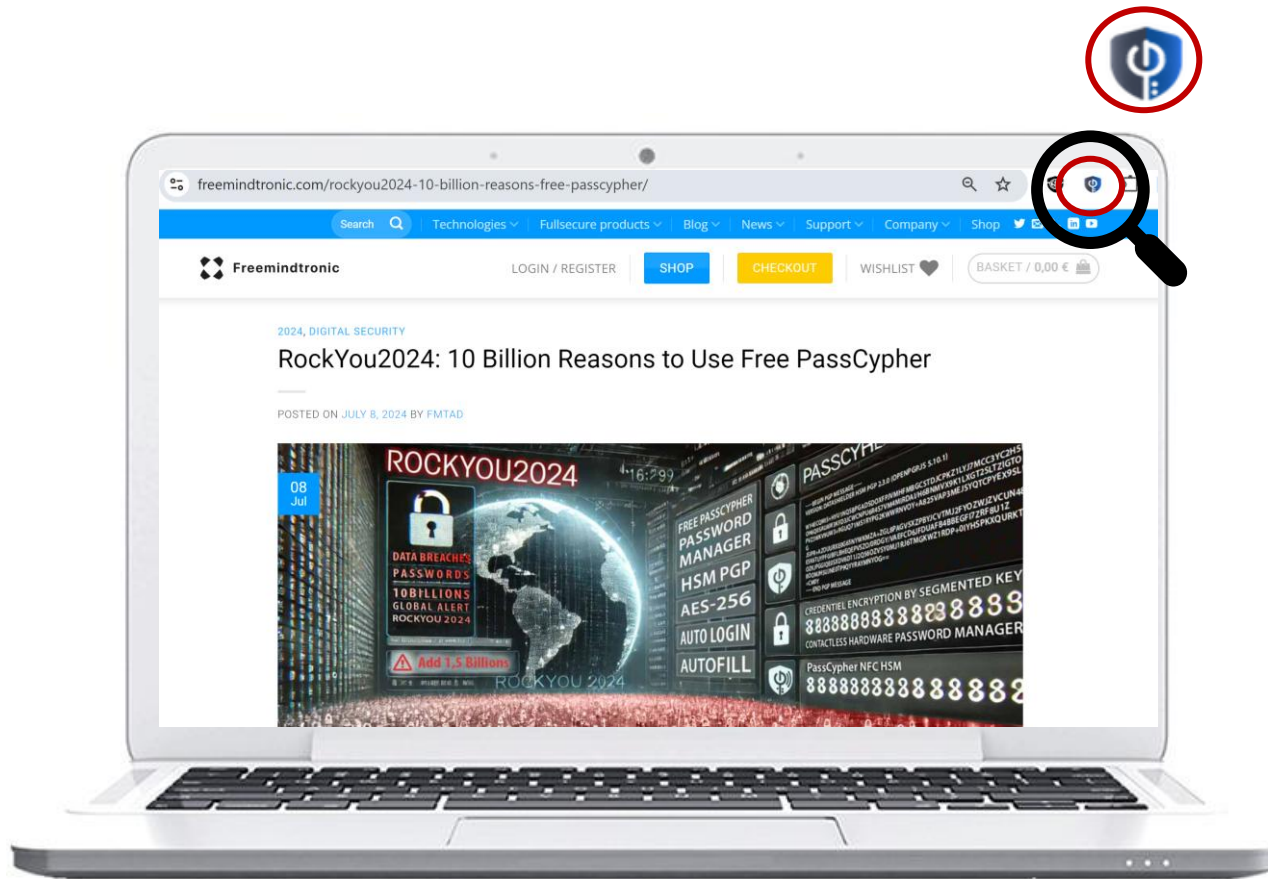


Click this icon to pin it to your toolbar.

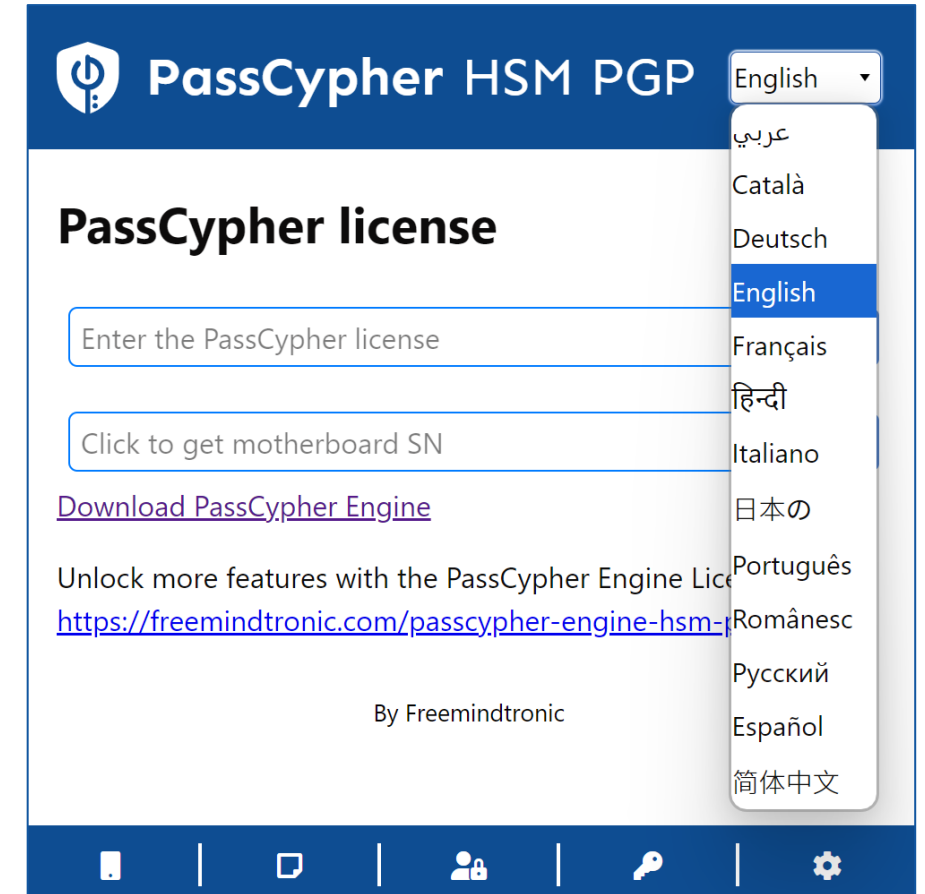


At the top right of your computer screen, click this icon to open the PassCypher extension.

HOMEPAGE OF THE EXTENSION





To open the extension, click the indicated icon displayed at the top right of your computer screen.



The PassCypher HSM PGP extension is available in 13 languages: Arabic, German, English, Catalan, Chinese, Spanish, French, Hindi, Italian, Japanese, Portuguese, Romanian, and Russian. You can choose in which language to display the extension.

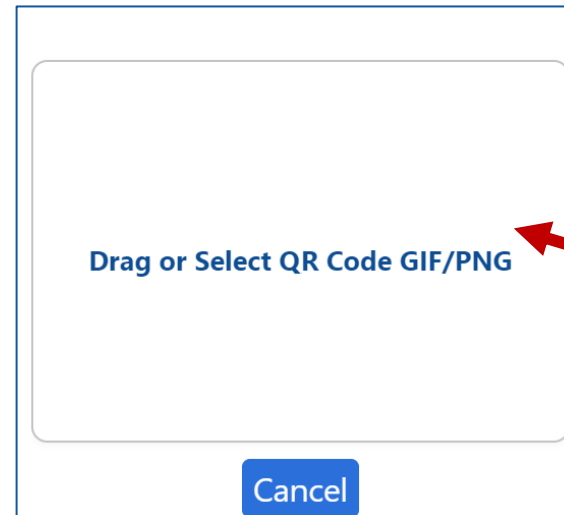
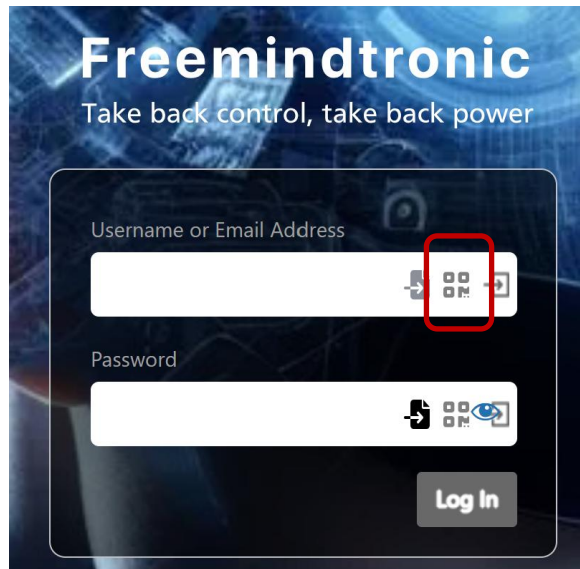
How does it work?

- **PassCypher HSM PGP is a free extension that allows several automatic connection modes:**
 1. With login credentials in an "encoded" QR code format (.gif files)
 2. With login credentials encrypted in AES 256 (PGP files) **(see separate tutorial)**
 3. With login credentials saved in an NFC device **(see separate tutorial)**
- The security level of these different connection modes is not the same
- the ease and speed of use also differ.
- A **paid version of the extension** (license activation) offers **maximum security** and **unmatched execution speed**.
- In the "**Username**" and "**Password**" fields, you will see 3 **icons** that allow you to access the 3 **connection modes**.

Nom d'utilisateur	<input type="text"/>	
Mot de passe	<input type="password"/>	

Detailed diagram

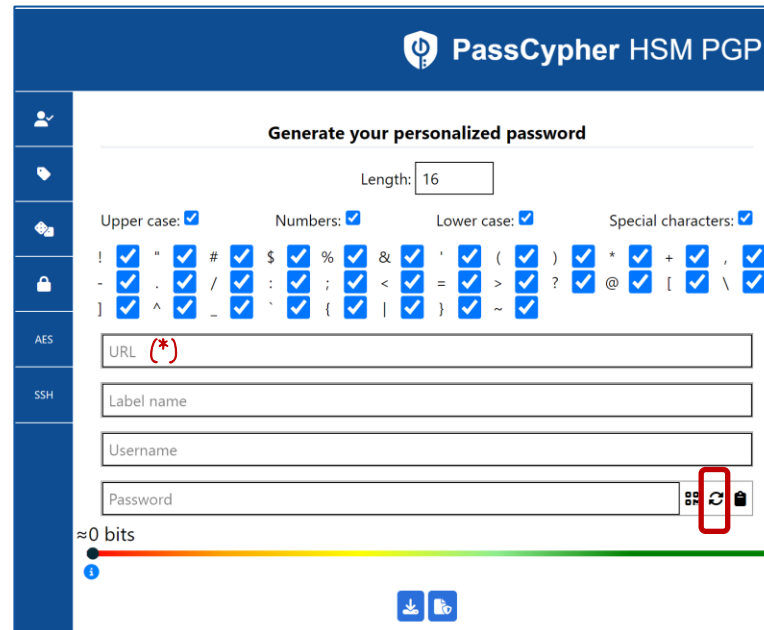
1. Open the website or messaging service you want to log in to on your computer.
2. Go to the **login page** [Username & Password].
3. **Click** the "QR code" icon shown below.
4. A window opens; click to access the folder where your login credentials are saved in .gif format.
5. Click the appropriate one or drag it into the window.
6. The fields are automatically filled in, and the connection is made (if you have activated Autologin in the extension settings).



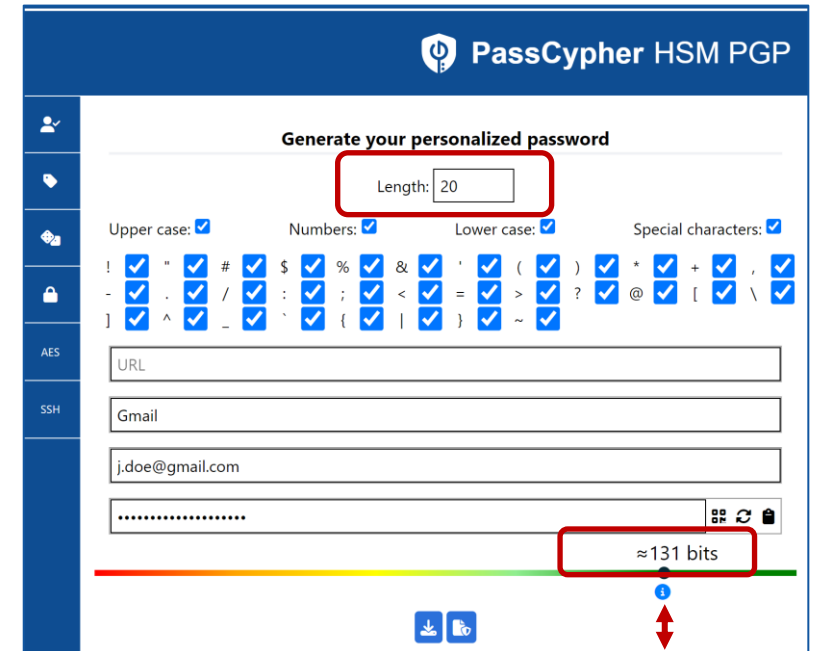
Create your login credentials in "encoded" QR code format



Click to open the extension, then click the indicated icon to create your login credentials.



Fill in the information. Click the icon to generate random password. By default, the password length is 16 characters, but you can modify it. You can also enter your password manually.

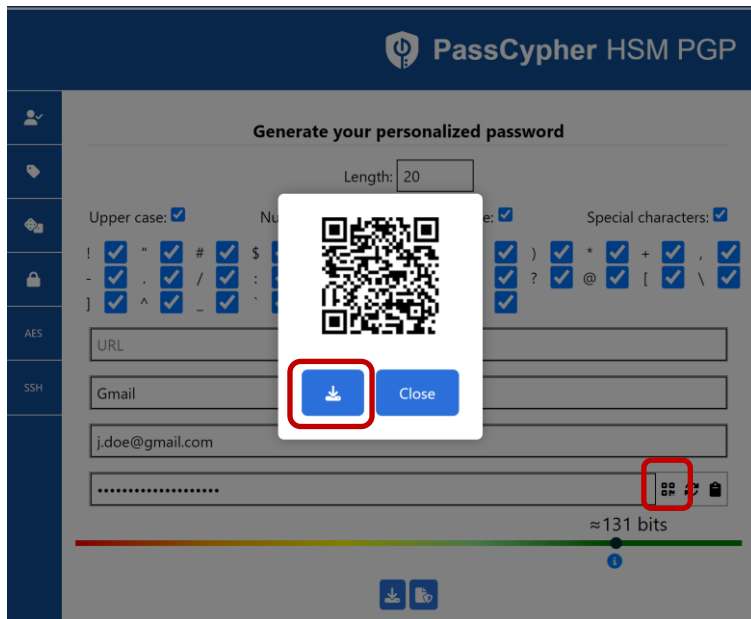



The password entropy is calculated and displayed as a color code.

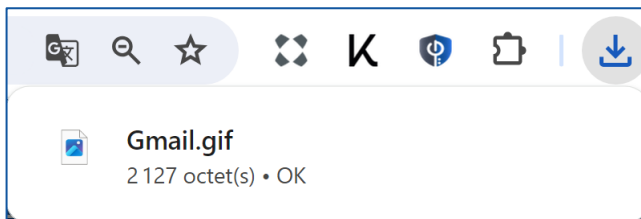
The strength of your password is calculated based on the size of the alphabet it uses and its length. The larger the alphabet size and password length, the more secure it will be

() There is no need to complete the URL for this "encoded QR code" version.*

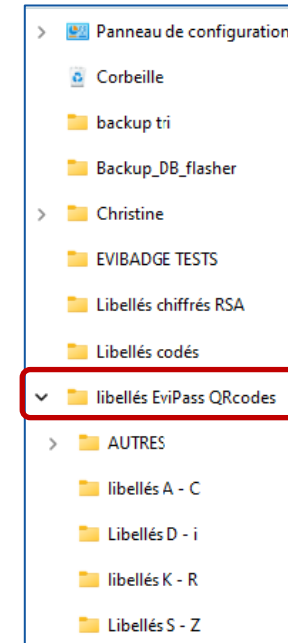
Save your login credentials in "encoded" QR code



Click the "QR code" icon, then click the icon  to save this credential.

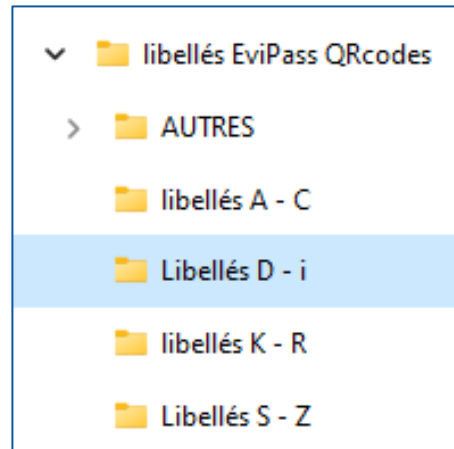


The Gmail.gif file is saved in the "**Downloads**" folder of your computer.

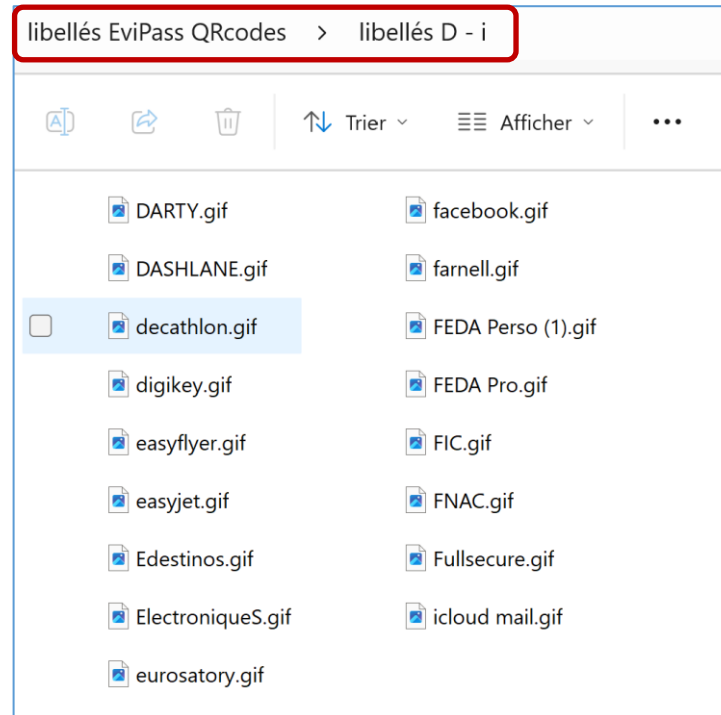


Choose a folder to save this file, which will be used for automatic connection to Gmail. You can use a USB key, an external drive, Cloud backup, or other options. Also, consider **securing this folder** (BitLocker, opening password, etc.).

Manage your login credentials



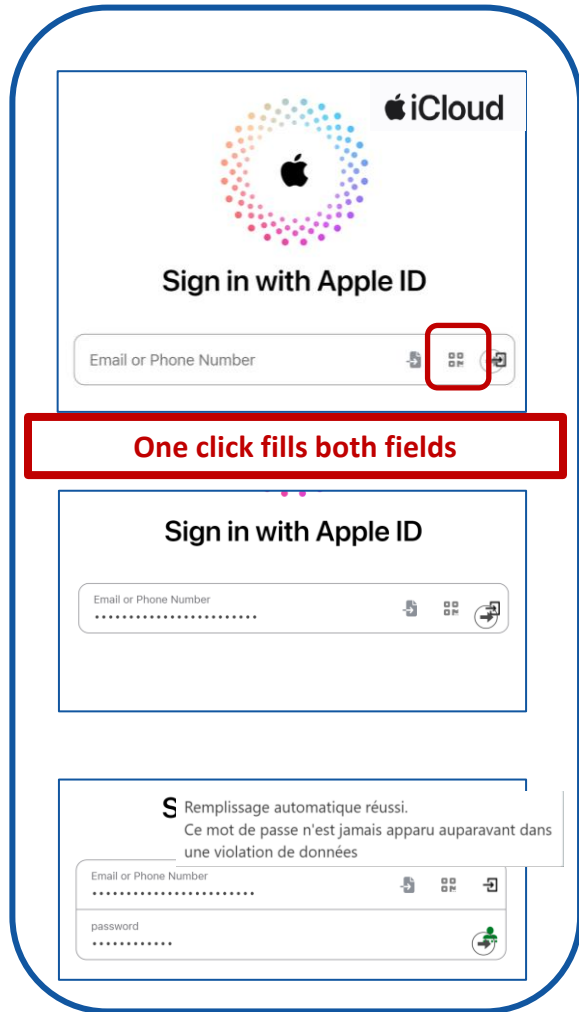
Organize your various backups as you see fit: in this case, alphabetical sorting has been chosen.



All login credentials appear in .gif file format.

Don't forget to secure access to this folder and make regular backups

Examples of connection to a messaging service



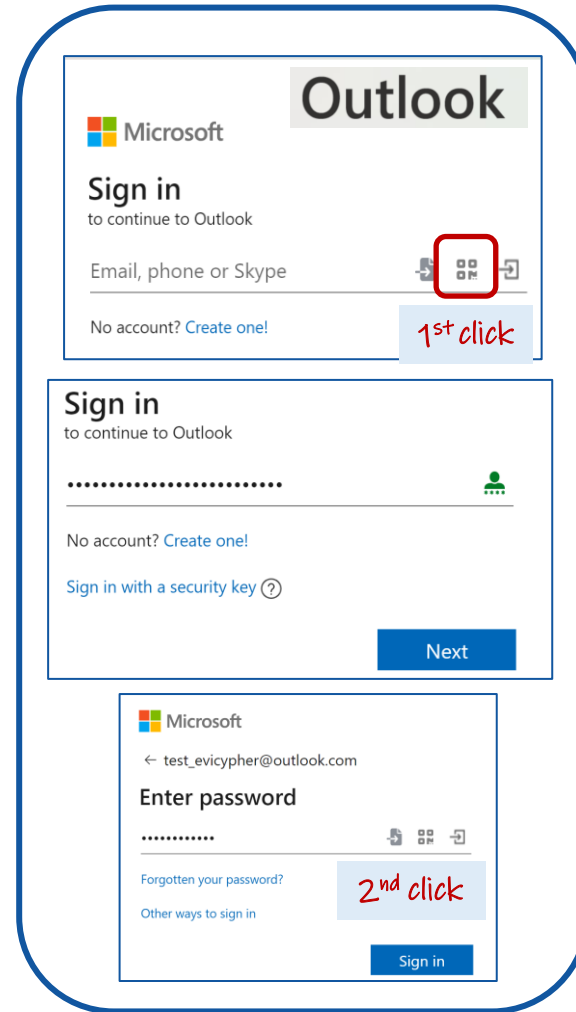
The image shows the Apple ID sign-in process in three stages. The first stage shows the 'Sign in with Apple ID' screen with a red box around the QR code icon in the 'Email or Phone Number' field. A red box below it contains the text 'One click fills both fields'. The second stage shows the same screen with the QR code icon highlighted. The third stage shows the 'Remplissage automatique réussi' (Automatic sign-in successful) message and the password field filled with dots.

One click fills both fields



The image shows the Proton sign-in process in two stages. The first stage shows the 'Sign in' screen with a red box around the QR code icon in the 'Email or username' field. A red box below it contains the text 'One click fills both fields'. The second stage shows the 'Remplissage automatique réussi' (Automatic sign-in successful) message and the password field filled with dots.

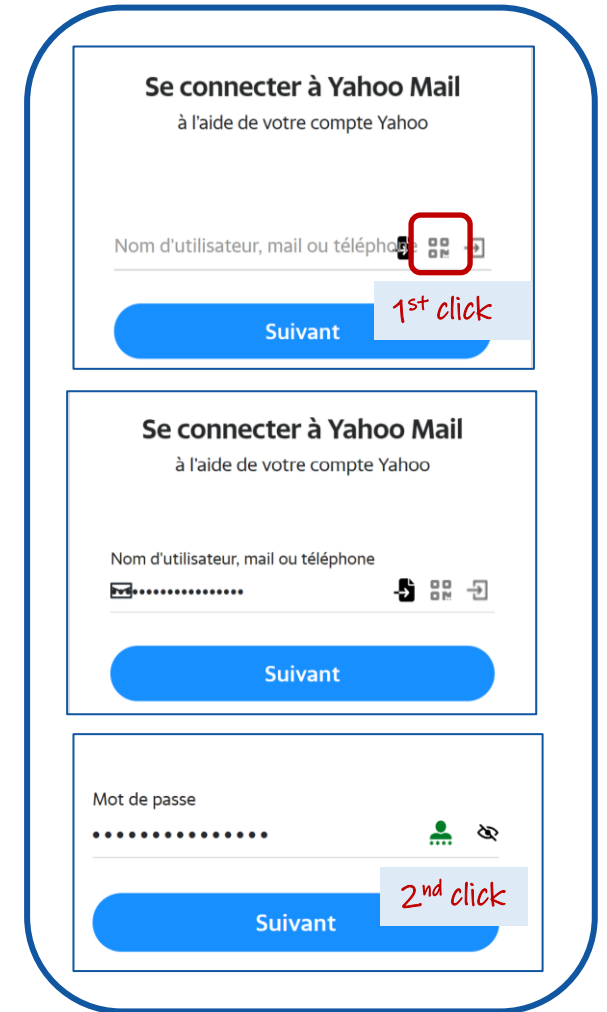
One click fills both fields



The image shows the Outlook sign-in process in three stages. The first stage shows the 'Sign in' screen with a red box around the QR code icon in the 'Email, phone or Skype' field. A red box below it contains the text '1st click'. The second stage shows the 'Sign in' screen with the password field filled with dots and a 'Next' button. The third stage shows the 'Enter password' screen with a red box around the QR code icon in the password field. A red box below it contains the text '2nd click'.

1st click

2nd click



The image shows the Yahoo Mail sign-in process in three stages. The first stage shows the 'Se connecter à Yahoo Mail' screen with a red box around the QR code icon in the 'Nom d'utilisateur, mail ou téléphone' field. A red box below it contains the text '1st click'. The second stage shows the same screen with the QR code icon highlighted. The third stage shows the 'Mot de passe' (Password) screen with a red box around the QR code icon in the password field. A red box below it contains the text '2nd click'.

1st click

2nd click

Sites called "two-step authentication": 2 clicks are required

Examples of connecting to a website

Connectez-vous 

E-mail ou nom d'utilisateur

Mot de passe

One click fills both fields

Remplissage automatique réussi.
Ce mot de passe n'est jamais apparu auparavant dans une violation de données

Mot de passe

Se souvenir de moi

Connectez-vous

fnac **Connexion / Inscription**

Saisissez votre e-mail pour vous connecter ou créer un compte

E-mail

1^{er} clic

E-mail

Mot de passe

2nd clic

Mot de passe

Restez connecté(e)

Se connecter

**Site called "two-step authentication":
2 clicks are required**

Accés usuaris registrats

CERTIFICAT ELECTRÒNIC

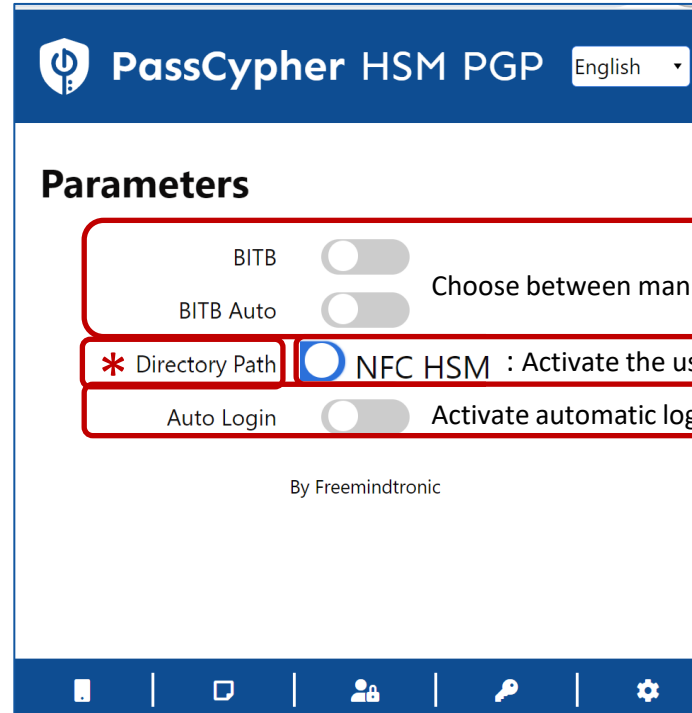
Autofill successful. This password has already appeared in a data breach

Has oblidat la contrasenya?

ENTRAR

Password verification and **alert** in case of a compromised password.

Settings & Features



A window opens with various options that you can activate

Activate the license (paid version)



Home page of the extension

Concerns the paid version of the PassCypher extension

More information, click here: [Extension PassCypher HSM PGP](https://freemindtronic.com/passcypher-engine-hsm-pgp/)

Take back control, Take back power

EviPass Technology

By Freemindtronic Andorra



For more information: <https://www.freemindtronic.com>

