

First Time Access

With a Personal Computer

If you do not have a Smart Phone, or if you do not want to use a Smart Phone, you can use alternative programs to provide the passcode needed for 2FA. A few of these programs are:

- KeepassXC (<https://keepassxc.org> GUI) or,
- oathtool (<https://www.nongnu.org/oath-toolkit/> GNU/Linux cmd line) or,
- OTP Manager (<https://apps.apple.com/us/app/otp-manager/id928941247> MacOS)
- WinOTP or OTP manager for Windows

or any softwares that implements OTP standards.

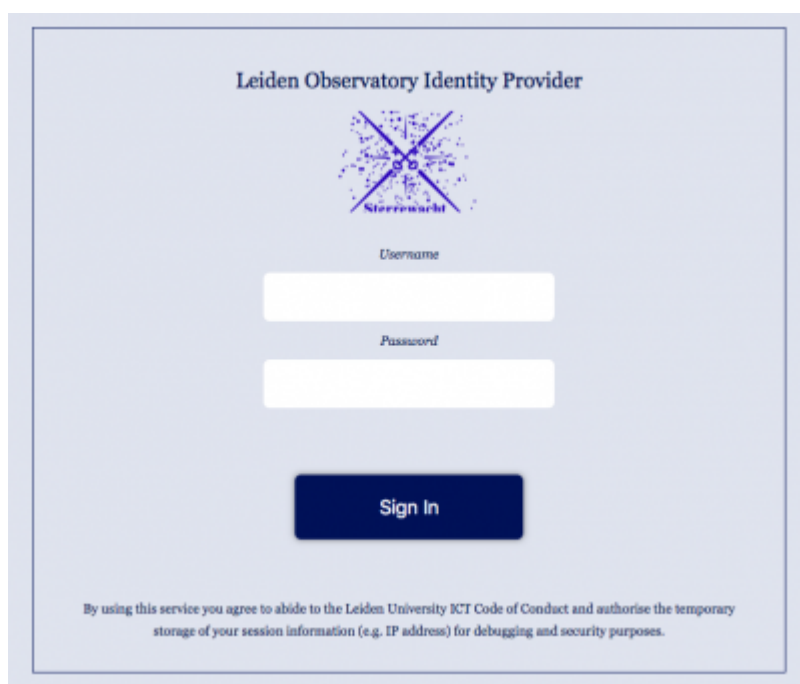


Figure 1: 2FA Login screen (Click image to enlarge).

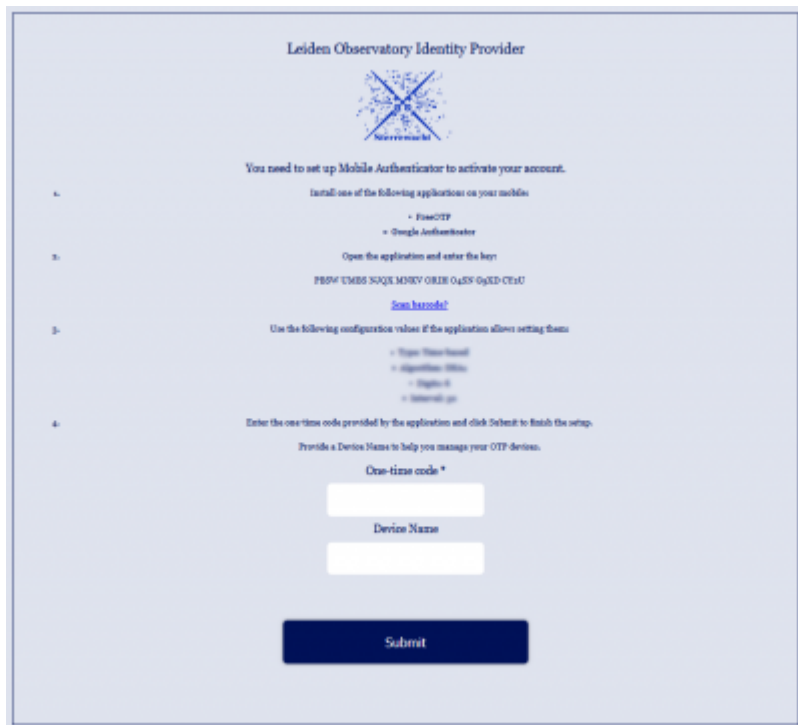
So after installing one or more of the above programs you can proceed to go to a web page that helps you setup 2FA. This page is located in our [Self Service area](#). When you access that page you are redirected to the new Observatory Identity Provider and presented with a login window.



The screenshot shows a web form titled "Leiden Observatory Identity Provider". It includes a logo and instructions for setting up a mobile authenticator. The form is divided into three numbered steps: 1. Install an application (FreeOTP or Google Authenticator). 2. Open the application and scan the QR code. 3. Enter the one-time code and provide a device name. The form includes input fields for the one-time code and device name, and a "Submit" button.

Figure 2: 2FA setup secret key form QR code version (Click image to enlarge).

After entering your account credentials you are presented a QR code on the next page. Your computer programs are not equipped to scan QR codes, so you need to 'see' the secret key. For this you click the link [Unable to scan?](#)



The screenshot shows the same web form as Figure 2, but with the QR code replaced by a clear text secret key. The secret key is displayed as a long alphanumeric string: "P80W UM8S 5XQX M8KV ORIE O4ES Q9XD CF1U". Below the secret key, there is a link [Scan barcode?](#) and instructions to use the configuration values if the application allows setting them. The form also includes input fields for the one-time code and device name, and a "Submit" button.

Figure 3: 2FA setup secret key form clear text version (Click image to enlarge).

After clicking the link you will be presented a window that shows you the secret key in clear text. Copy this key and save it in a place where your program can use it. Then run this program to obtain a passcode (a six digit number). Transfer this passcode to the form. Note that the passcodes have a lifespan of 30 seconds, so you might need to regenerate a new passcode if the 30 sec. timeslot has passed.

Since you are now setting up 2FA for the first time, you may also type in a name for the device from which you are getting the passcodes. It is merely a tag for later use. Having filled in all required fields, you continue to **Submit** the next form.

Now follow the steps from section [Remaining Setup](#)

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