

First-time 2FA Setup via a Personal Computer

Preliminary Actions

You need to install a *program* on your personal computer which will

- store the **secret key** that the IL authentication system will share with you
- calculate TOTP passcodes using the **secret key** as a seed

We advise Free Softwares such as [KeePassXC](#) (multiplatform with GUI) or the [OATH Toolkit](#) (GNU/Linux terminal), but you are free to choose any programs that implement the open OTP standards.

Setup

Step 1

Navigate to any of the Lorentz Institute SSO web applications, such [Account Services](#), [Remote Workspace](#), etc.

You will be redirected automatically to the Lorentz Institute Identity Provider login page as in **Figure 1**.



Figure 1: Identity Provider login page

Step 2

Enter your IL credentials to sign in. Upon successful login, you will be redirected to a page containing a QR code. Click on "Unable to Scan?" to display your shared **secret key** and the other parameters to input in your OTP program to set it up (Figure 2).

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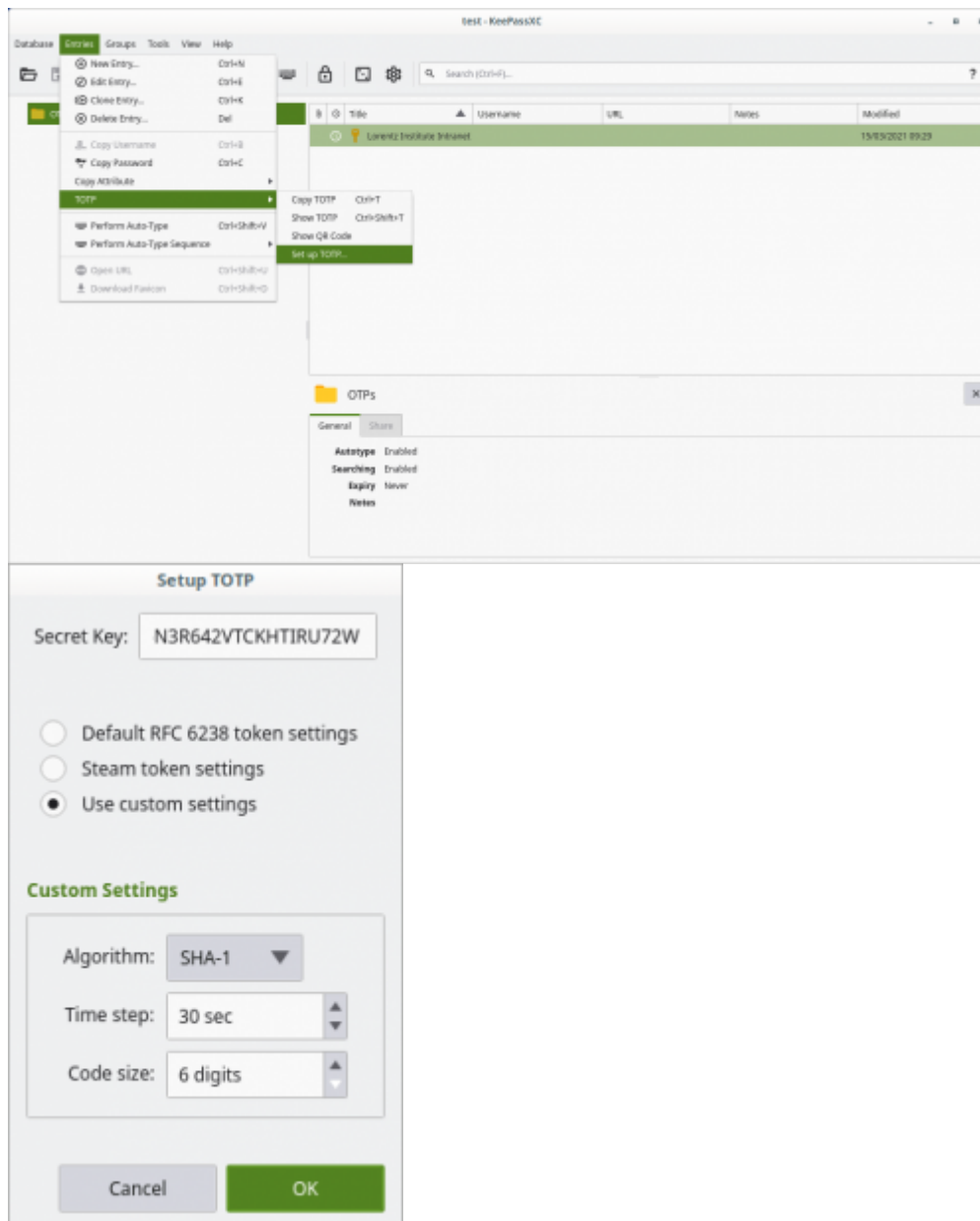


Figure 3: TOTP Setup with KeePassXC. Use the TOTP settings described in Step 2.

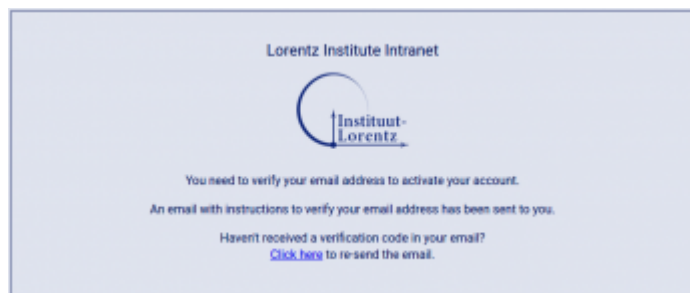
Generate a OTP by clicking on *Entries* → *TOTP* → *Show TOTP*. Insert this TOTP in the *One-time code* form input and, if you wish, a label in the form input called *Device Name*. This label is meant to help you keep track with which device the **secret key** has been shared. Click on *Submit*.



Figure 4: TOTP generation KeePassXC and final 2FA setup on the Lorentz Institute Identity Provider

Step 4

If Step 3 succeeds (errors might occur if there is too much lag time, i.e. the OTP expired), the system will send you an email to your private (not @lorentz) e-mail address with [precise instructions](#) on how to verify your identity. If your identity cannot be validated, you will not be granted access to the system.



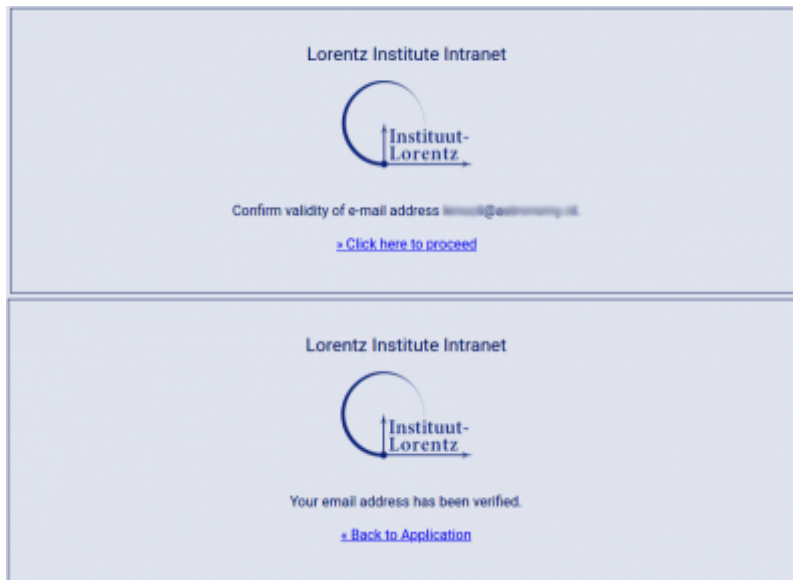


Figure 5: Screenshot of e-mail verification process.

Step 5

Click on *Back to application* to redirect your browser to the Lorentz Institute SSO web application from which you started the whole process or close the browser. Your setup is complete.

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