

Use eSim as security model in Sphereon Wallet

In order to activate eSim support in the Sphereon wallet, an eSim has to be added to your mobile phone OS beforehand. The following section will outline this process for both Android & iOS.

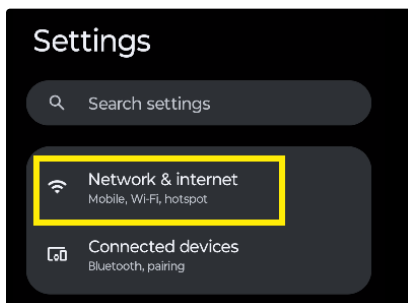
Activate eSim in the OS

Android

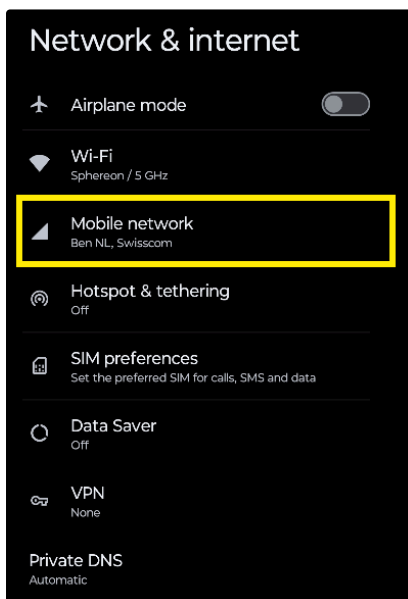
We start by going to settings



Here we select Network & Internet



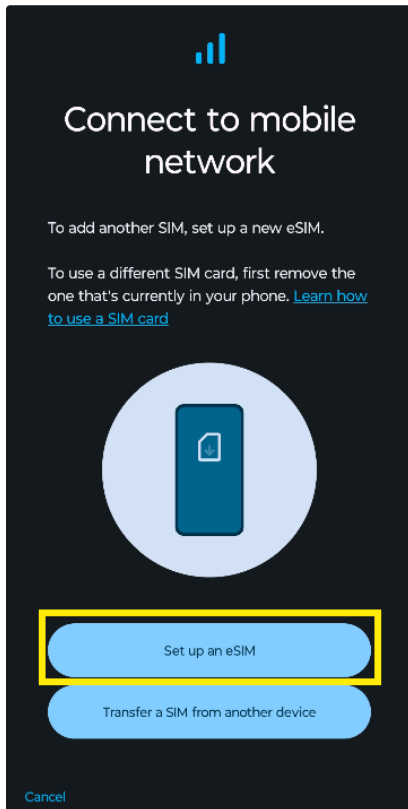
Mobile network



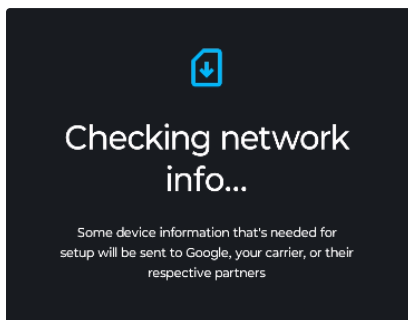
+ Add eSIM



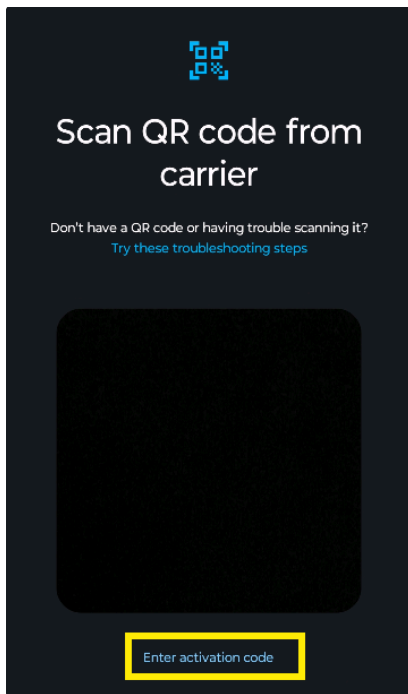
Set up an eSIM



Wait for it...

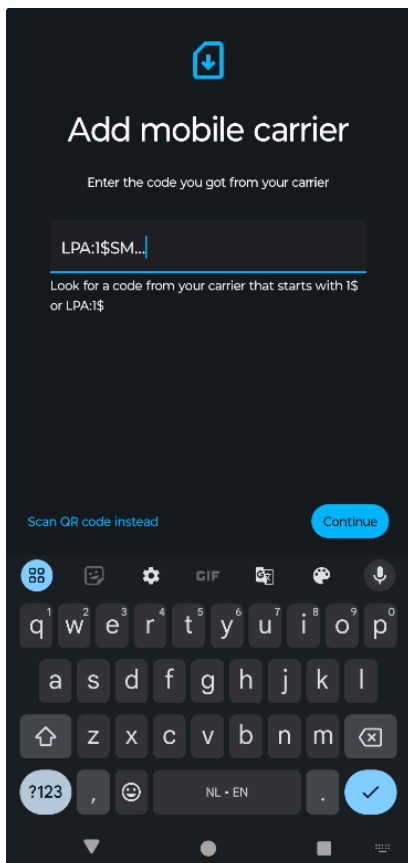


Scan the QR code provided by the network provider.



eSIM QR codes we received prior to December 2024 may not work. In this case manual activation is needed by tapping “Enter activation code”

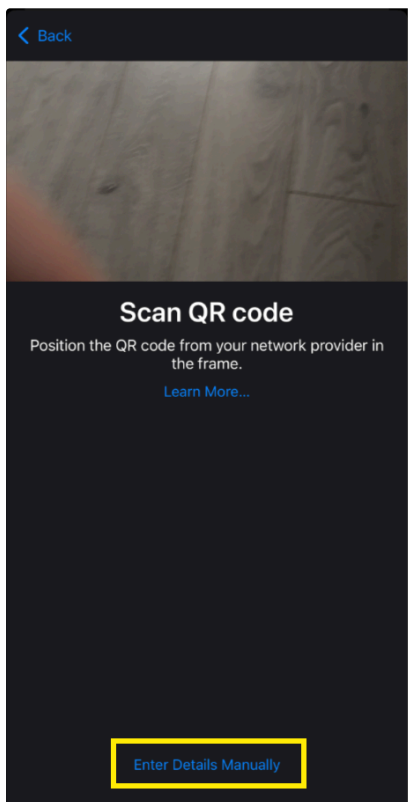
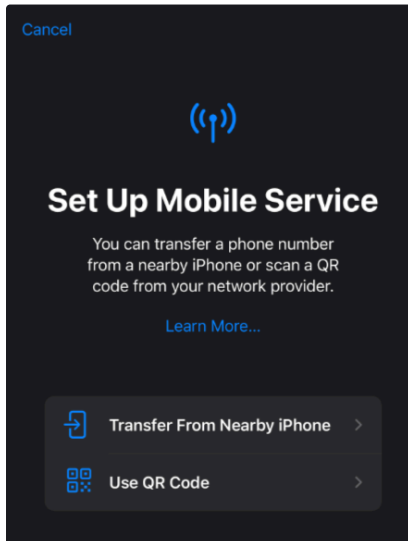
In the next screen, paste in the provided activation code and tap Continue.



If all went well, a confirmation screen is shown.

iOS

TODO



eSIM QR codes we received prior to December 2024 may not work. In this case manual activation is needed by tapping "Enter activation code"

In the next screen, paste in the provided activation code and tap Continue.

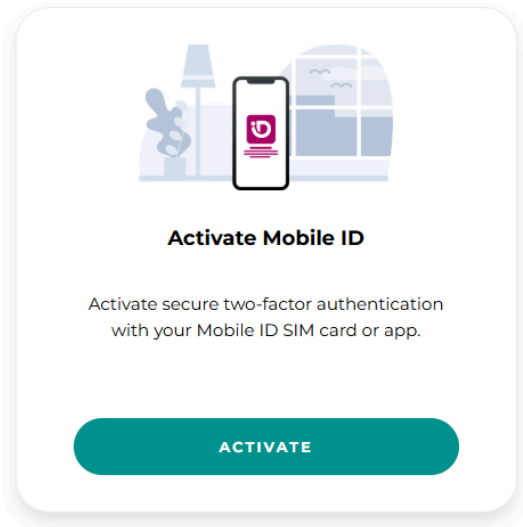
Activate eSIM with the network provider

1. Open your browser and go to <https://mobileid19.test.spectra.io/en/login>

2. Log in using your phone number / msisdn. When the phone number is not yet known, it can be obtained by sending an SMS from the eSim to your regular phone number.
3. You will receive a confirmation code as SMS, enter it
Please enter the SMS identification code that was sent to your mobile phone.

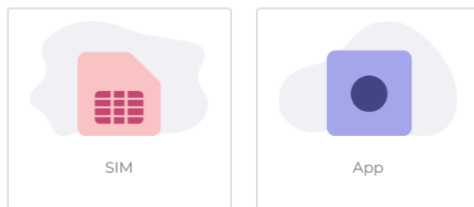
SMS not arrived? Click on the back button, check the phone number and try again.

4. Click "ACTIVATE"



5. SIM → Next

Which method would you like to activate?



6. Agree → Next

Activation

By using our Services, you are agreeing to these terms. Please read them carefully.

☒ I agree to [terms and conditions](#).



7. "I would like to continue without the restore option" → Next

Activation

You have the possibility to restore your Mobile ID. To do this, select an option that suits you.

☐ I know my Mobile ID recovery code

☒ I would like to continue without the restore option

[BACK](#) [NEXT →](#)

8. Next

Activation

You have the possibility to restore your Mobile ID. To do this, select an option that suits you.

☒ I would like to continue without the restore option

Caution

If you would like to continue without identification, you may need to re-link your Mobile ID with some of your service providers for security reasons

Would you like to continue without identification?

[NEXT →](#) [BACK](#)

9. This may happen, but that's an open issue. The eSIM should be activated now.



Install Alauda PBY app

In this phase of the eSIM implementation we still depend on a third-party app for the activation & signature request. Please install the Alauda PBY app,

Android

 [Alauda PBY - Apps on Google Play](#)

iOS

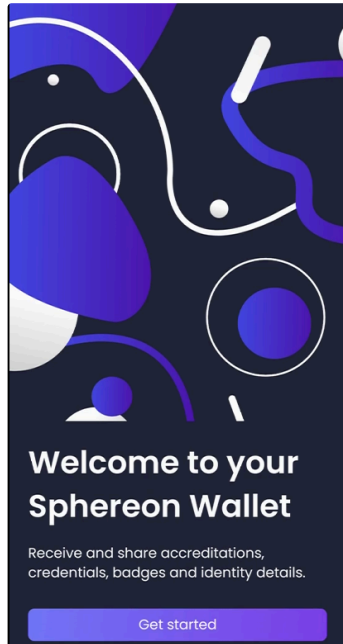
 [Alauda PBY on the App Store](#)

It will provide the PIN entry pop-ups. No need to go into the app.

Onboarding the Sphereon Wallet

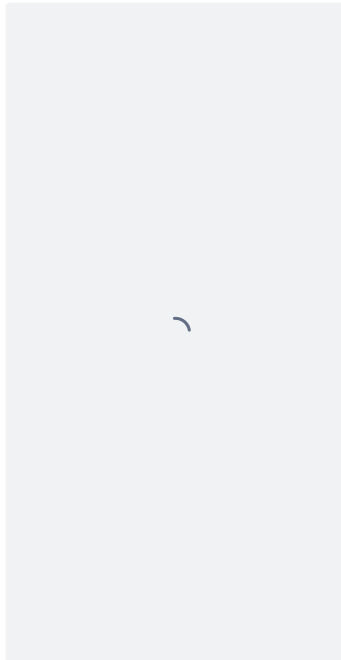
1. Launch the App

Open the Sphereon Wallet on your mobile device.



2. Navigate to the "Getting Started" Screen

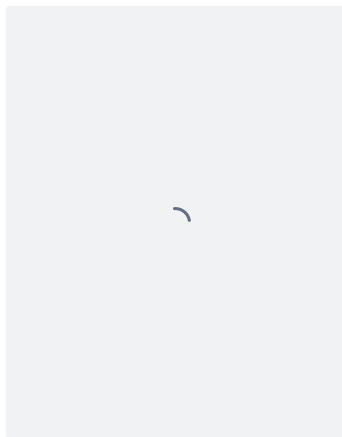
Upon opening the app, you will see the "Getting Started" screen with a title and a step labeled "Create wallet."



3. Select a PID Security Model

Look at the top-right corner of the screen. You will see a **cogwheel icon** (⚙️). Tap this icon to access the security model options.

A popup titled "**What PID security model would you use?**" will appear.



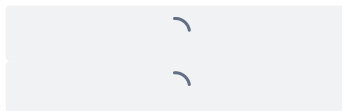
You will see four choices:

- **Secure element on phone:** Uses your phone's built-in secure element to store credentials.
- **Remote hardware security module:** Utilizes a remote HSM (Azure) for secure operations.
- **Mobile operator eSIM:** Leverages the eSIM from your mobile operator for security.
- **Use eID card during presentation:** Requires an eID card for authentication during credential presentations.

4. Select Mobile operator esim



followed by Select & Next

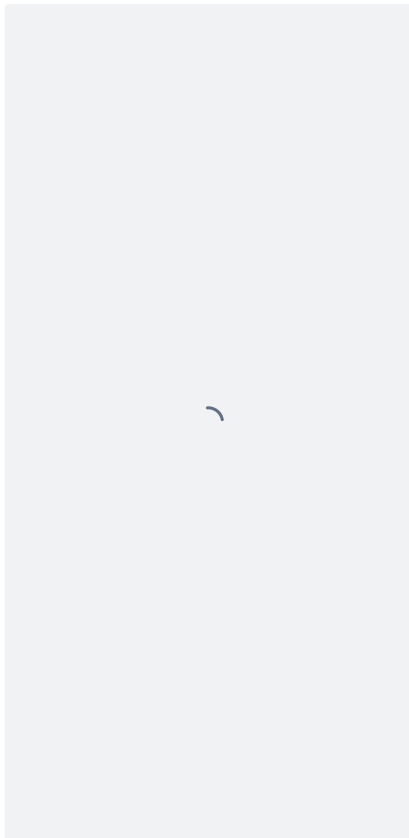


5. Proceed with Wallet Creation

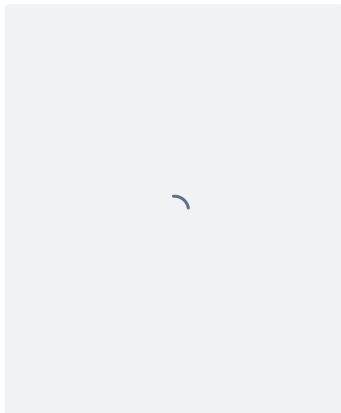
Enter name, email, country details & security setup like usual.

6. Enter eSim information

After the Accept terms & privacy screen, a screen will appear to enter the eSim details.

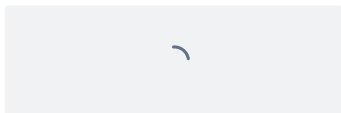


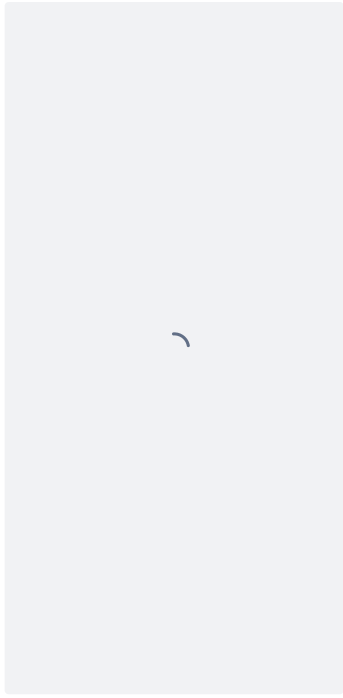
The screen requires the msisdn, which is phone number including the +41 country code and a coupling code.
One or more coupling codes will be provided by us along with the eSIM document.



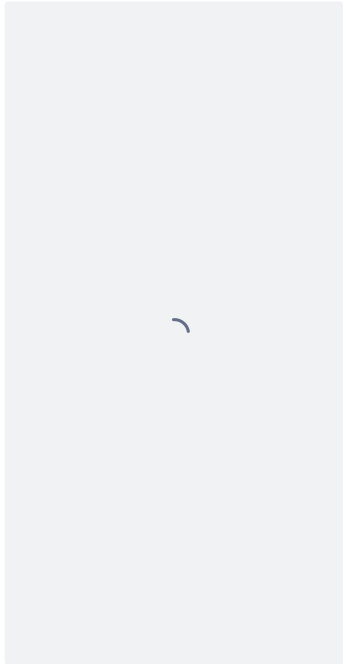
7. Activate the eSIM with MUSAP

Since we are still reliant on the ALauda app for the eSIM activation & signing processes. First we need to enter our PIN created in the Alauda app.





8. **Continue with PID import** (or not)



During the PID import process a sign action will be requested twice, once for the SD-JWT PID and once for the MDOC PID.

