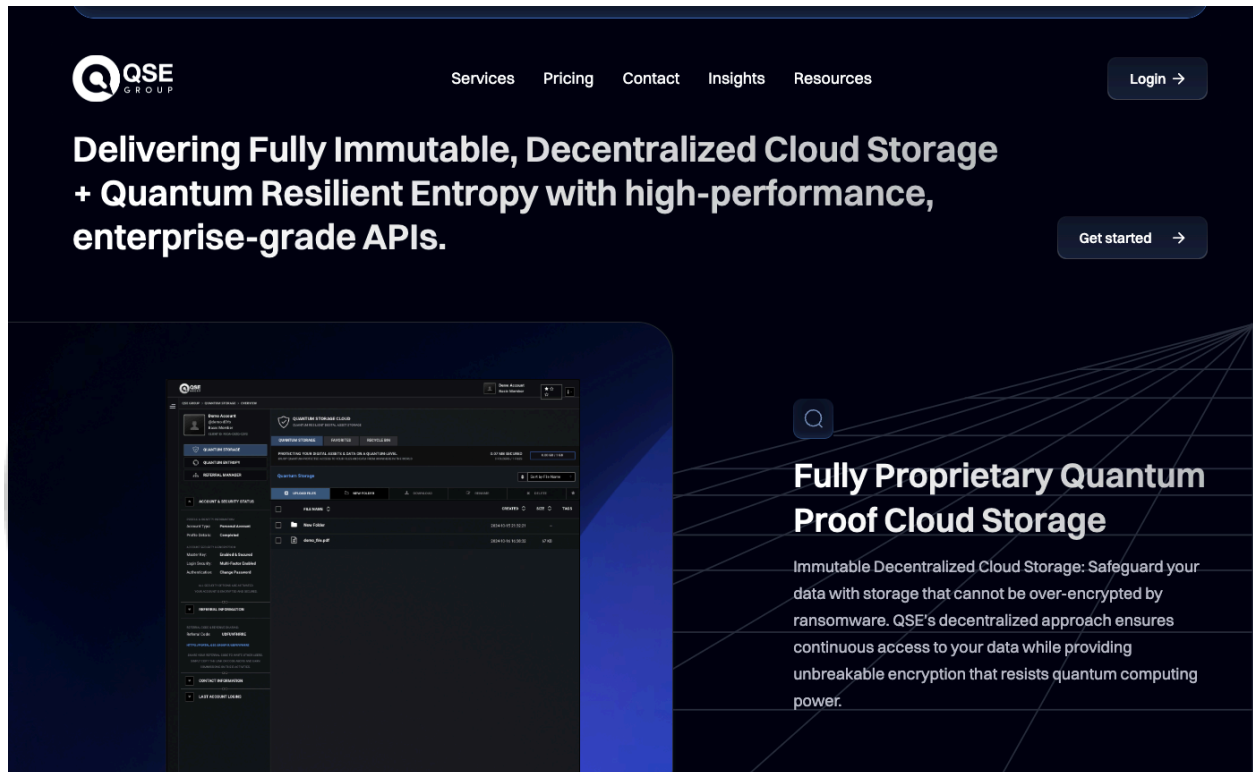# QSE - Portal Guide

Table of Contents

QSE APIs Guide:

📄 QSE - APIs Guide

QSE Website

Get Started and Pricing

- Users will first land on our qse.group website where they can see the Offerings/Feature and Pricing models.
- Page has various conversion points where user can directly go to portal and register for the Free account

Contact Us

- Users can directly contact us from our contact us page at https://www.qse.group/contact-us
- Users can also email to us at info@qse.group.
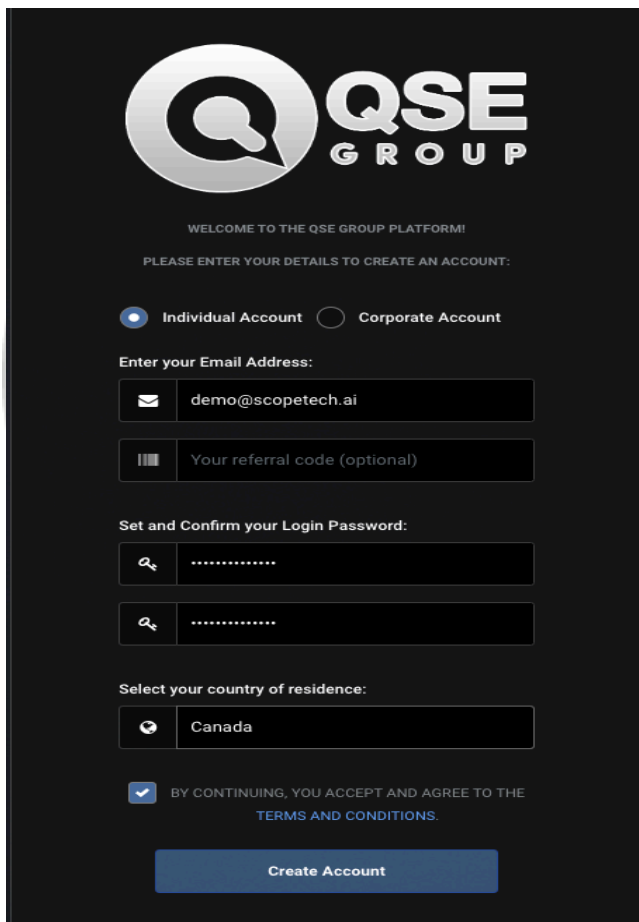
Quantum Resilient Decentralised Cloud Storage

Create Account

1. Go to https://portal.qse.group/registration
2. Fill the form and hit create account (2 account options - private or corporate)

Landing page dashboard

Note: If it's not the same for you contact us at nfo@scopetech.ai

3. Click on **"Secure and Encrypt Account"** to proceed with completing account creation requirements.

4. Fill in the profile information

5. Fill in the Master Password: It will work as main password recovery

6. Open any Authenticator app and scan the QR Code shown on your screen, this will enable 2FA. After scanning enter the 6 digit code show on the Authenticator app.

7. Once, all steps are completed, you will see the following screen
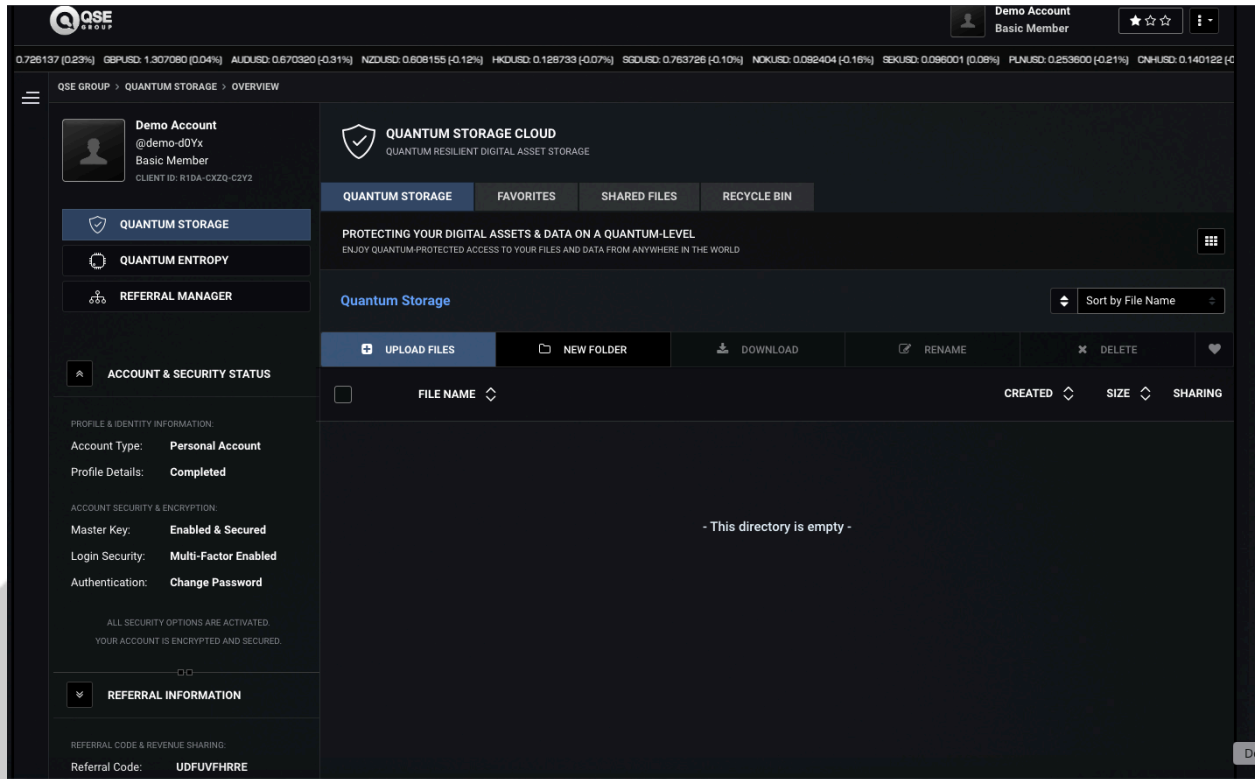
Upload Files

1. Click on upload files and you will see a pop of box, here you can browse or drag & drop your files.

a. By Default it using portal's default RSA Encryption, but you can add your own RSA public key for increased security

b. If you want to add your RSA Key then click on the Menu icon on top right and click 'Add RSA Key'. In the text box you can paste your RSA public keys

c. Note: you have to decrypt your data using your private key on your own, because the data is encrypted using the user's personal RSA key.

Create Folders

1. On the overview page, click on 'New Folder', this will open up a dialog box where you can enter the folder name to create a new folder.

Delete Files

1. Select the file/folder in the main storage page and then click on 'Delete' button on left hand side and then click on 'Move items to the Recycle bin'

2. To permanently delete files, go to Recycle Bin, select the files you want to delete and then click on 'Delete' button, then a pop up box will appear, click on 'Permanently Delete Items'
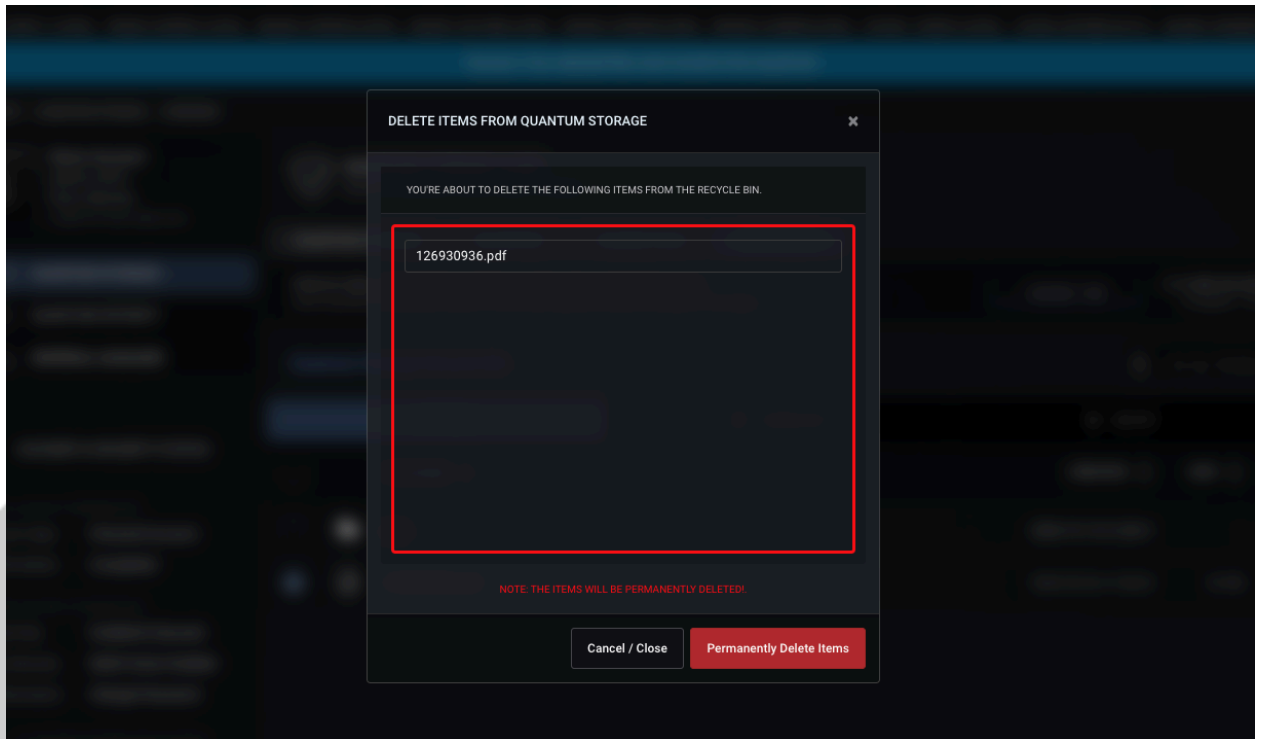
Download Files

1. Select the files (single/multiple) in the main storage page and then click on the 'Download' button
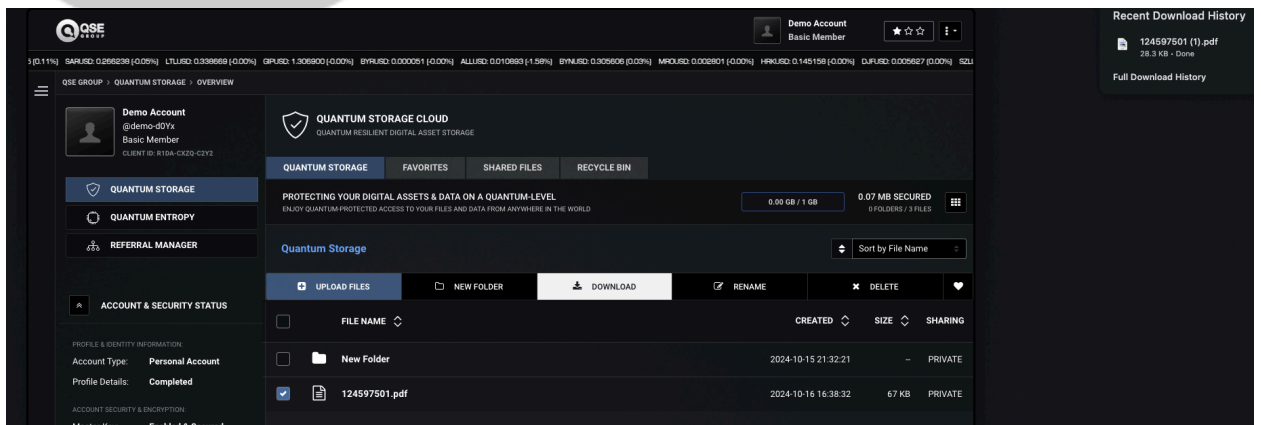
Rename Files

1. Select the file in the main storage page and then click on the 'Rename' button, then in the text box write the new name for the file and hit the 'Rename item' button.

Sort Files

1. Sort files with different filters such as File Name, Size and Creation Date.
2. To sort, click on column names or go to the drop down menu on left hand side

Switch Theme

1. Switch the theme to Dark or Lite, as per your preference.
2. Go to Top Right Corner drop down menu (3 vertical dots) button, and then click on 'Switch Theme'
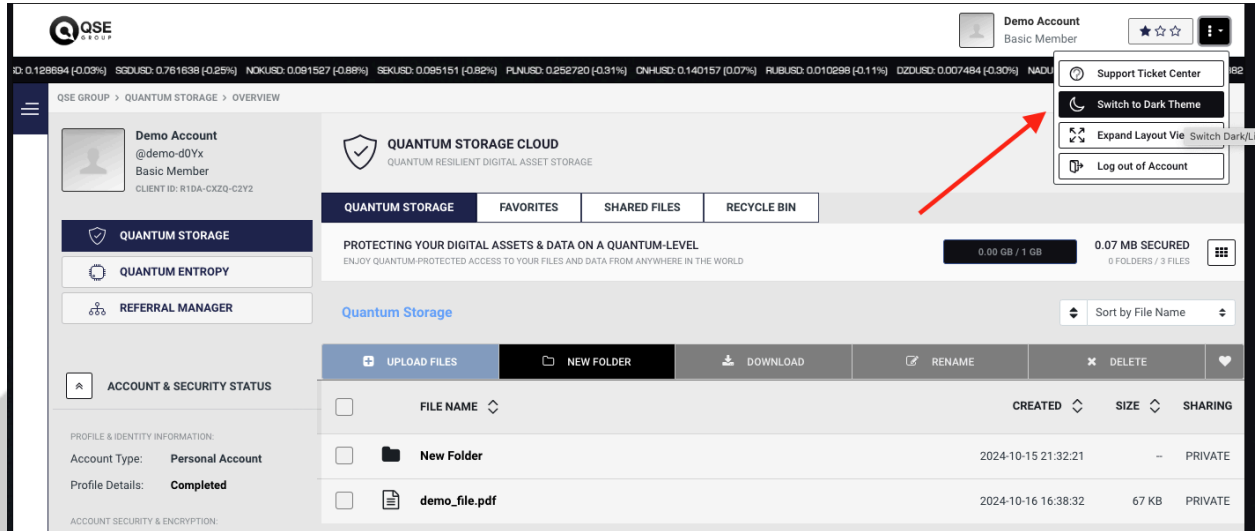
Raise Ticket

1. Go to Top Right Corner drop down menu (3 vertical dots) button, and then click on 'Support Ticket Centre'
2. In the pop up window, click on 'Open a New Support Ticket'
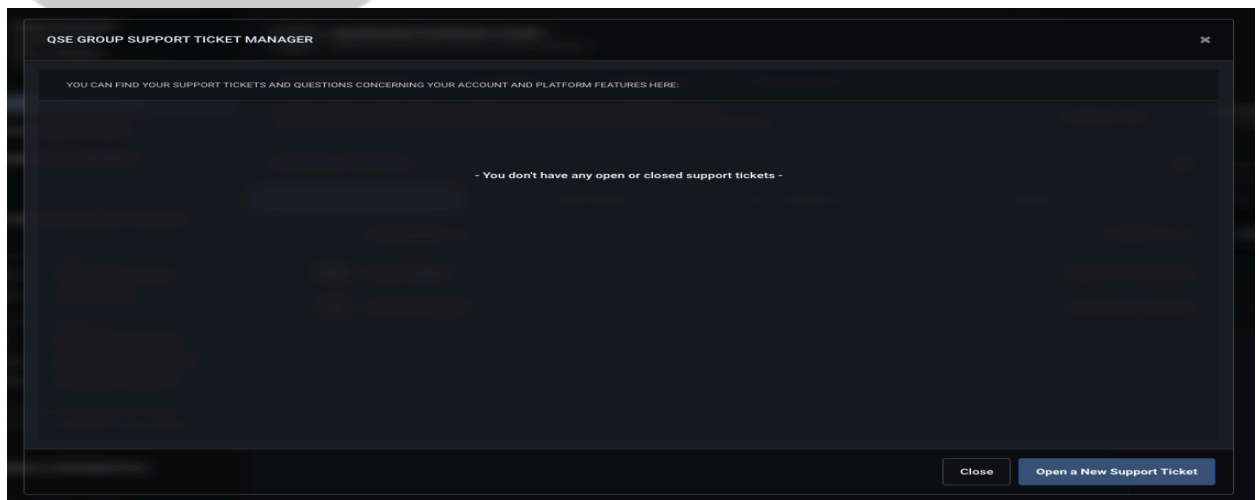
3. Enter the Ticket details and hit 'Create New Ticket'.

4. Now to view the ticket and all the conversation, go to the Support Ticket Centre and then click on the 'Eye' button to view the ticket.

5. In the inbox you can send new messages related to the ticket or you can click on Close Ticket if the ticket is resolved.

Mark Favorite

1. In the Quantum Storage tab, select the files to mark as favorite and then click on the heart button on left side of the navigation bar

Go Back to the Dashboard

1. Click on the 'QSE Logo' button to go back to the dashboard/Quantum Storage page

Quantum Entropy as a Service
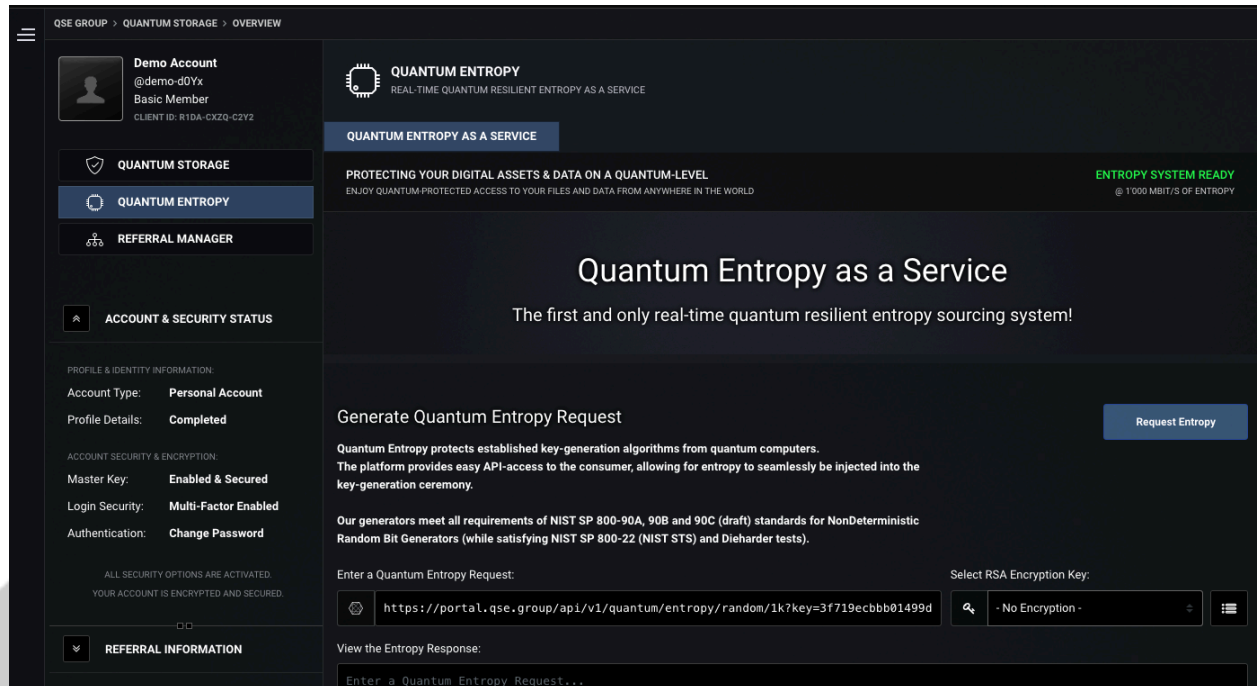
Use cases

Quantum-resilient entropy can be used in various use cases, including:
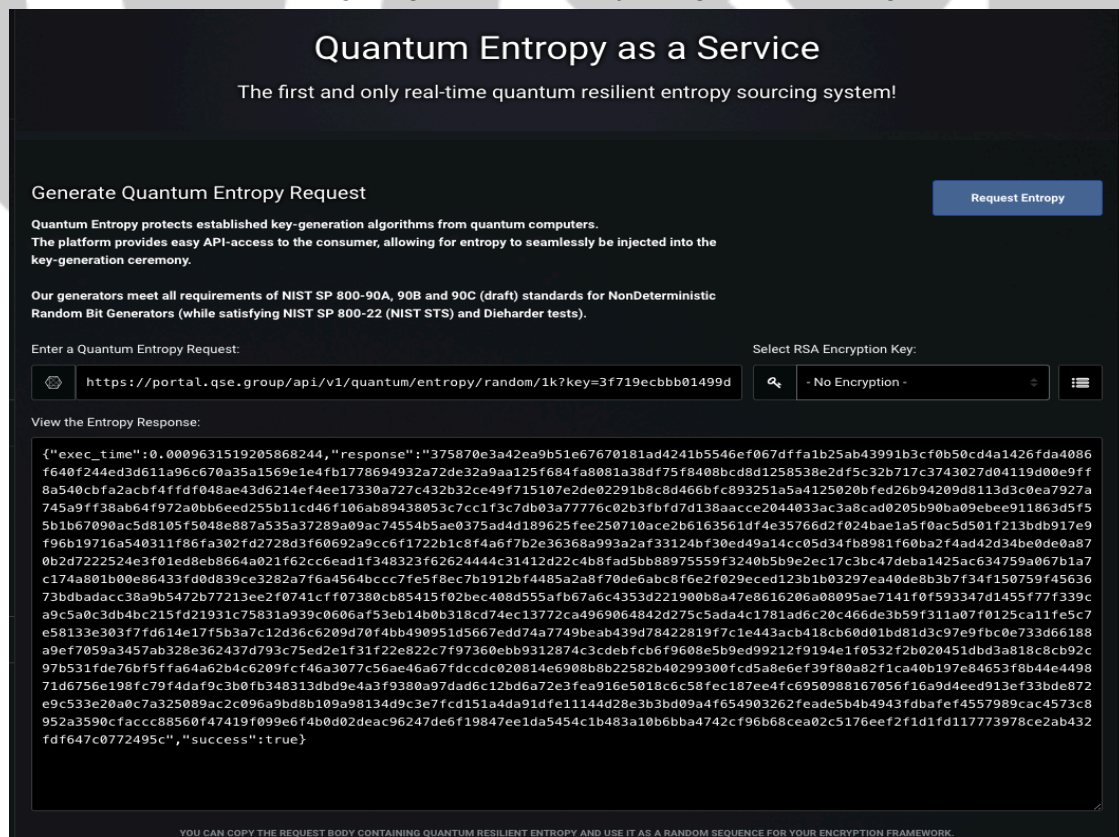
1. **Cryptographic Key Generation**: Ensuring that keys are resistant to quantum-based brute-force attacks by providing highly unpredictable entropy.
2. **Blockchain and Distributed Ledger Technologies**: Enhancing the security of decentralized systems by generating quantum-resilient randomness for consensus algorithms and cryptographic operations.
3. **Secure Communications**: Protecting communication channels (e.g., VPNs, SSL/TLS) by generating encryption keys that withstand quantum decryption techniques.
4. **Random Number Generation (RNG)**: In applications like lotteries, simulations, and secure token generation, where truly random and quantum-resistant values are required.
5. **Post-Quantum Cryptographic Schemes**: Ensuring secure generation of keys and parameters for algorithms specifically designed to resist quantum attacks, such as lattice-based cryptography.
6. **Digital Signatures**: Generating quantum-resilient randomness for digital signatures, ensuring that signatures cannot be forged with quantum computers.
7. **Secure IoT Devices**: Safeguarding the randomness in IoT devices, particularly those using lightweight cryptography, against future quantum threats.

Generate Quantum Resilient Entropy

1. Go to the 'Quantum Entropy' page from left sidebar

2. To Request Entropy, there are 2 ways, one without using personal RSA keys and second way by using your personal RSA Keys.
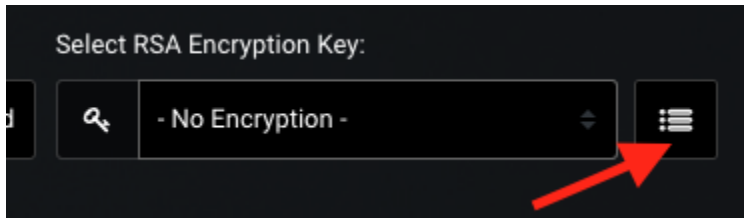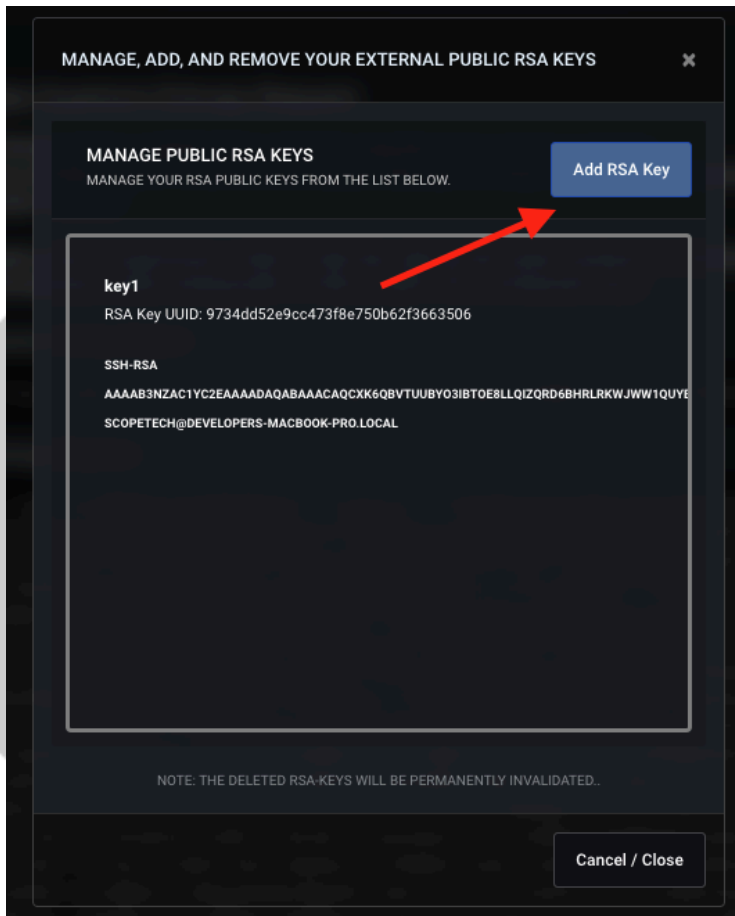3. Click on '**Request Entropy**' to generate Entropy using default settings

4. To add your RSA keys, click on the drop down menu button (3 vertical bars)
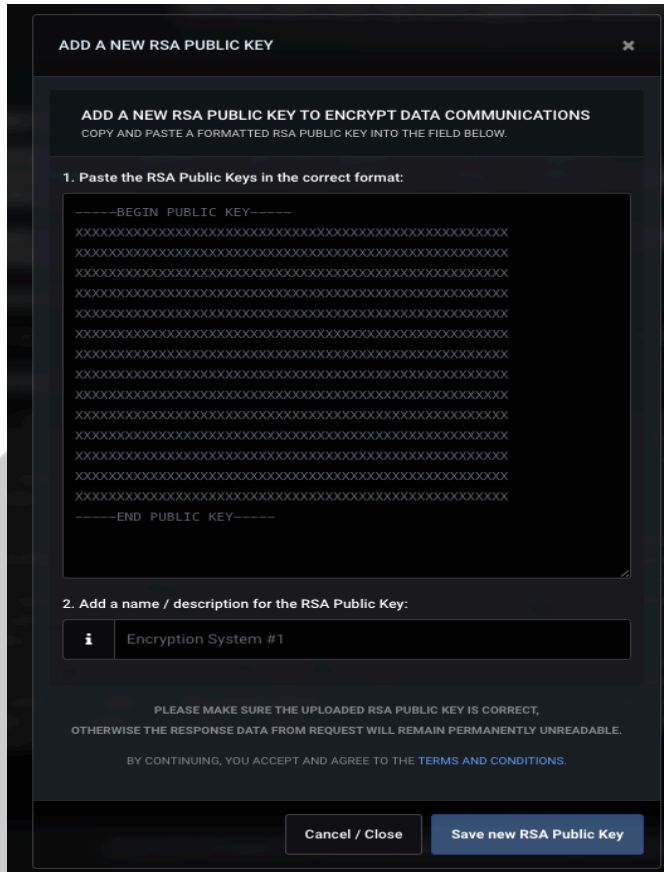
5. In the pop up window click on the **'Add RSA Keys'**
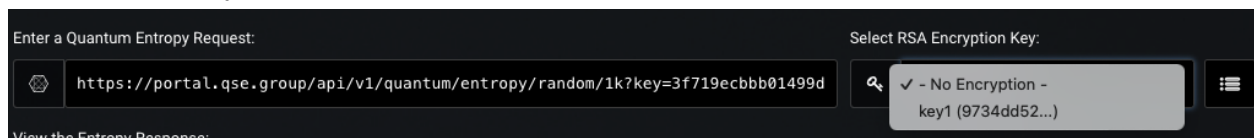
6. In the text box, copy and paste the RSA keys
7. To generate the RSA keys,
    a. For MAC/Linux : Go to the terminal and write "***ssh-keygen -b 2048***", hit enter and it will generate the id_rsa (private key) and id_rsa.pub (public key) in the root directory inside the hidden folder '.ssh'
    b. For Windows:
        1. Download and install PuTTY.
        2. Run the puttygen.exe executable.
        3. Go to "Key" > "Generate Public/Private Key Pair...".
        4. Choose "RSA" as the key type and select the desired size (e.g., 2048 bits).

5.   Click "Generate" to create the keys.
Alternatively, you can use the ssh-keygen command from Git Bash or Windows Subsystem for Linux:

8. Select the RSA key you added and then hit 'Request Entropy' to generate the entropy with additional security.

Generate Quantum proof Noise

1. Hit the 'Request Noise' button to generate Noise

Upgrade Account

1. To upgrade from Basic plan (free tier) to the Premium or Professional plan, click on the star rating button on the top menu bar

2. Click on Upgrade Account and select the plan

3. Click on Check Out and Upgrade Account button

4. Fill in the Payment Information and click on Subscribe button

Referral Manager

1. Go to Referral Manager page from the sidebar menu, then click on 'Invite User' button
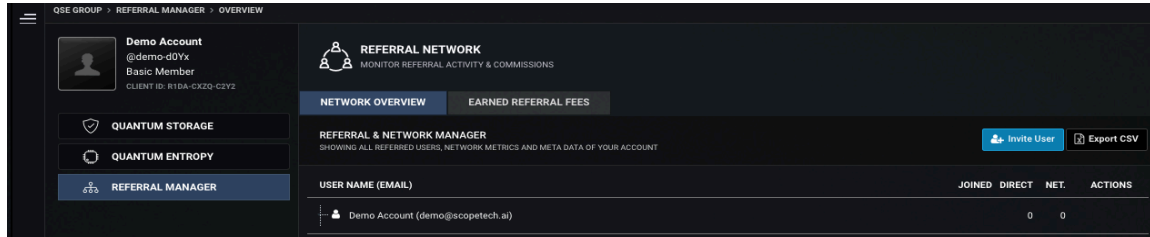
2. Fill in the information and click on 'Invite new User'

Manage Profile

Profile picture

1. To set the profile picture, click on profile pic icon and upload the image (jpg, jpeg, png) max size: 1mb

Update profile information

1. click on the the 'Completed' button alongside the Profile Details

2. Fill in the updated information

EDIT PROFILE & ACCOUNT DATA   ✕

PLEASE USE THE FOLLOWING FIELDS TO UPDATE YOUR PROFILE DATA:

First Name: **Last Name:**

Demo   Account

Date of Birth

1999-07-01

YOU MUST BE AT LEAST 16 YEARS OLD TO OPEN AN ACCOUNT
AND YOUR DETAILS MUST MATCH WHAT IS STATED IN YOUR PASSPORT.

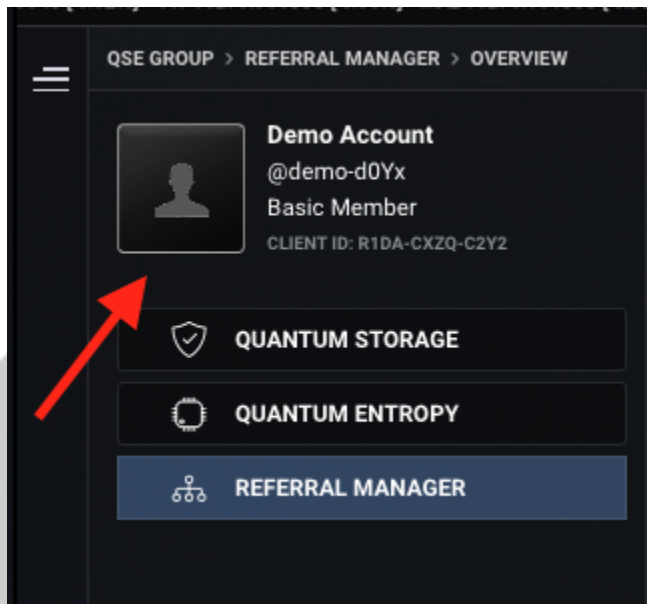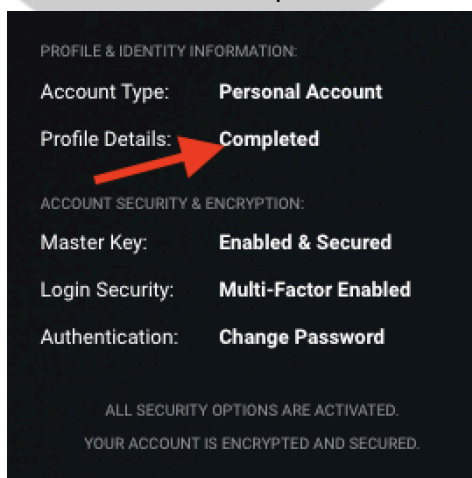**Street Address:**   **Street Number:**

63Rd Ave E   828

Suite / Floor / Additional Data (Optional)

Zip Code: **City:**

V5x 2k8   Vancouver

State: **Country:**
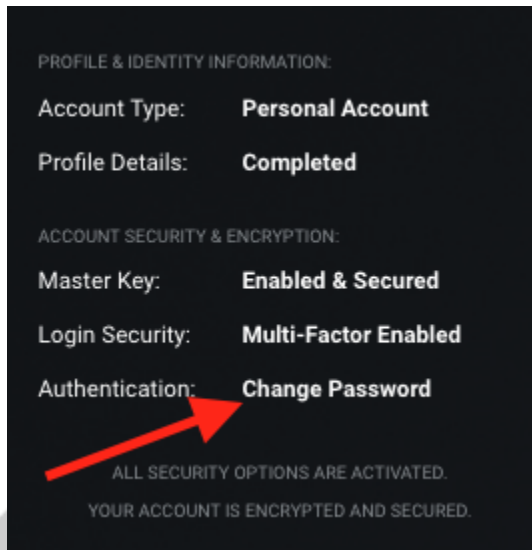
IF YOUR COUNTRY OF RESIDENCE IS NOT LISTED ABOVE, YOU ARE LEGALLY NOT ELIGIBLE
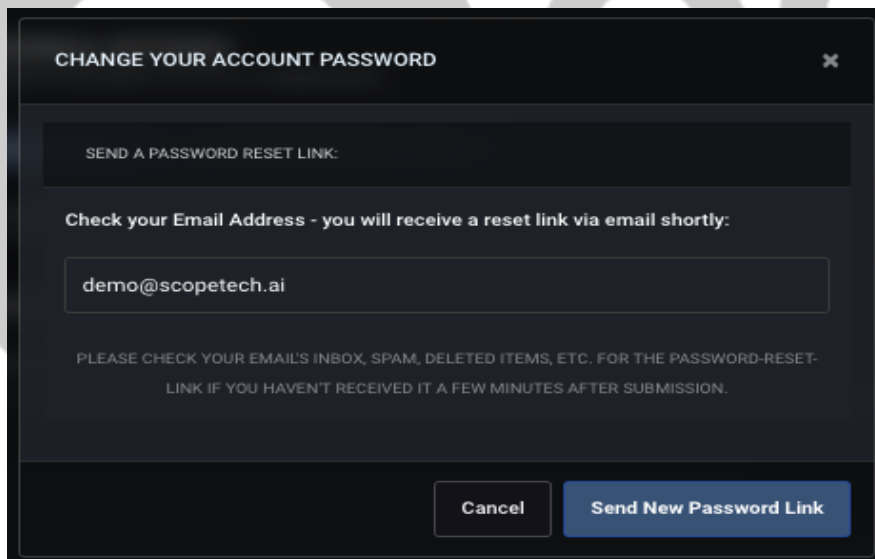TO DEPOSIT/WITHDRAW/TRADE CRYPTO OR PARTICIPATE IN ICOS UNDER SWISS LAW.

Cancel   **Update Profile Data**

Change Password

1. Click on 'Change Password'

2. Click on 'Send New Password Link' to get the reset password link sent to your email

3. Click on the link sent to your inbox and enter the new password and click on submit

You've requested to reset your account password.

Your Password Reset Code is: RWdSZTBEeDdzdnhvYzl2QkFyaTJnNmtk

Please click the link below to change your password.

(https://portal.qse.group/reset/RWdSZTBEeDdzdnhvYzl2QkFyaTJnNmtk)

If you have any concerns or questions you would like to ask, please feel free
to reach out to us via the QSE GROUP Contact Email Address (noreply@qse.group).

Best regards,
The QSE GROUP Team

4.

Log Out

1. Click on the 'Log out of Account' button in the upper right dropdown menu