

Xact Web Portal: Migrating to WebCrypto

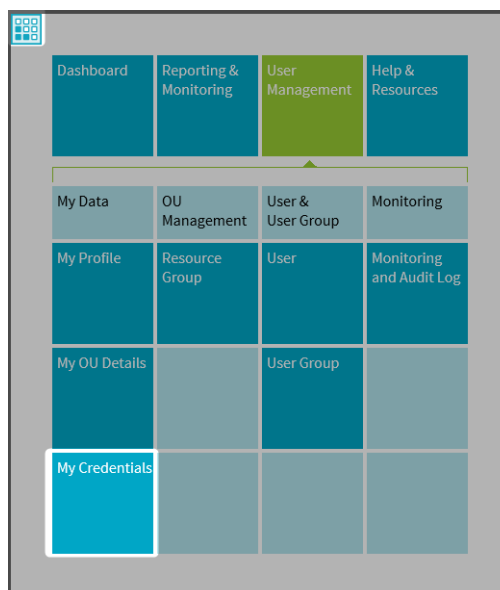
Migrating with Internet Explorer 11

The following illustrates how to manually migrate your Java Applet certificates before they expire. Once you have manually migrated to WebCrypto, you can also use the WebCrypto backup P12 to switch to other browsers such as Google Chrome and Mozilla Firefox, these browsers are highly recommended due to improved performance and user experience.

1. Log-in using the Java Applet Login

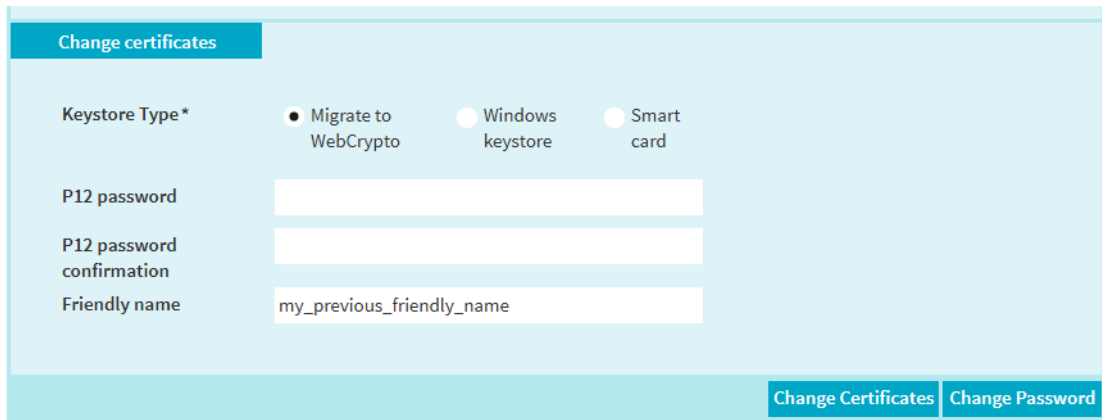


2. Once logged in, please open "User Management" and select "My credentials".



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- Please select the migration option and enter a password for your WebCrypto backup P12. The backup P12 is required if your browser loses your newly generated certificate. If this happens you will be able to re-import the backup P12 with the password that you create here. Please keep the backup P12 and P12 password in a safe place. The applet certificate friendly name is pre-filled. However, you also have the possibility to specify a new friendly name at this step. Then click on the "Change Certificates" button.

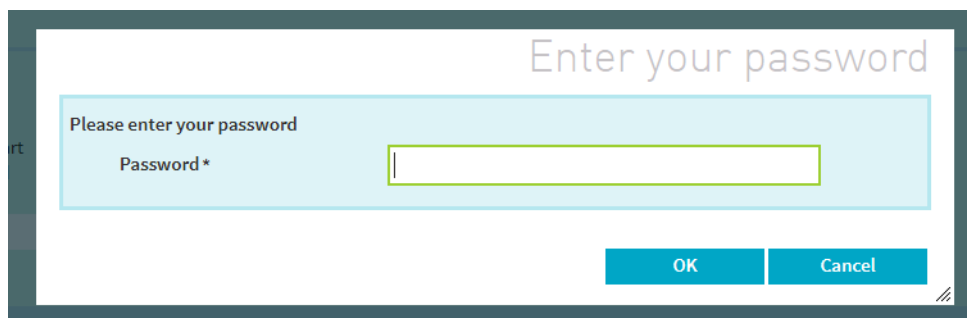


The screenshot shows a dialog box titled "Change certificates". It contains the following fields and options:

- Keystore Type ***: Three radio button options: "Migrate to WebCrypto" (selected), "Windows keystore", and "Smart card".
- P12 password**: A text input field.
- P12 password confirmation**: A text input field.
- Friendly name**: A text input field containing the value "my_previous_friendly_name".

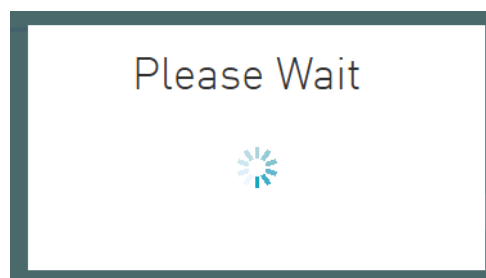
At the bottom right of the dialog, there are two buttons: "Change Certificates" and "Change Password".

- When prompted, please enter your login password to start the migration process.



The screenshot shows a dialog box with the title "Enter your password". Inside the dialog, there is a text input field with the label "Password *". Below the input field are two buttons: "OK" and "Cancel".

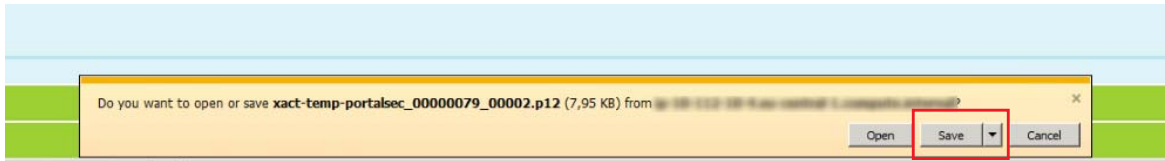
- Please wait. The certificate generation will take up to one minute.



- Once the following warning appears, wait until the automatic P12 download starts.

Please wait until the WebCrypto backup P12 is available for download or has been automatically downloaded

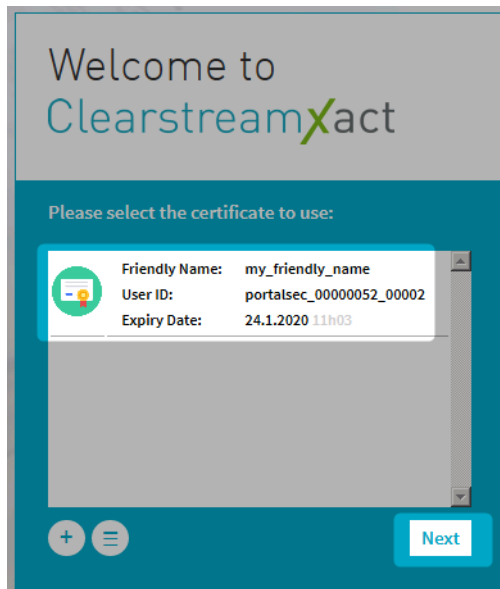
7. Please download and save the file to a safe location. Depending on your browser settings, this download may execute automatically.



8. Finally restart your browser and select the WebCrypto login.



9. On the new WebCrypto certificate selection screen, you will see your migrated certificate. (Selected by default) Click "Next" to go to the password login.



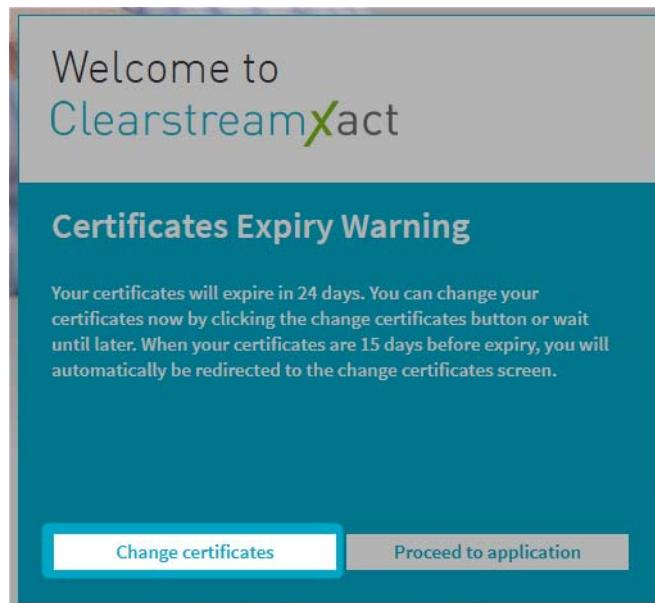
Migrating with Internet Explorer 11 automatically during login

Please note that the below steps are only executable if your user certificates are expiring or if your certificates are temporary:

1. Log-in using the Java Applet login

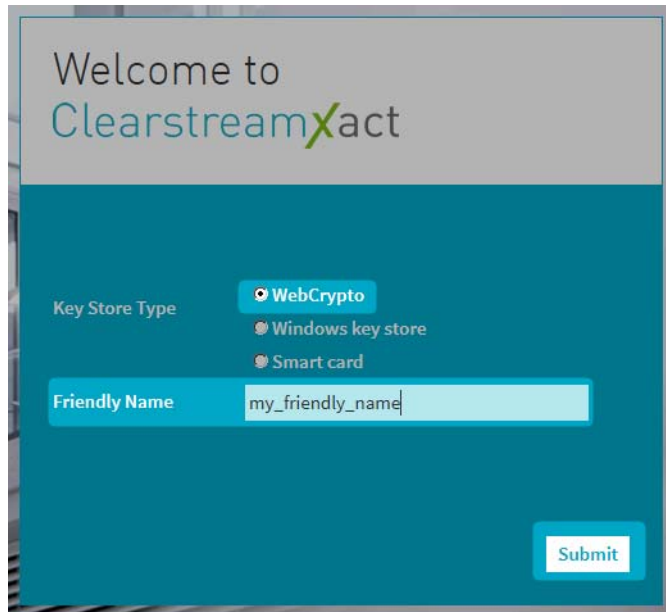


2. If your certificates are close to expiring, you should see the dialog box below. Otherwise, it might not appear until shortly before your certificate expiration dates. If you would like to migrate sooner, then please use the procedure for manual migration.



WebCrypto migration guide

3. When asked, please select the migration option and select a friendly name for your WebCrypto certificates. It will later help you to identify your certificates if you have multiple accesses.



The screenshot shows a web form titled "Welcome to ClearstreamXact". Under the heading "Key Store Type", there are three radio button options: "WebCrypto" (which is selected), "Windows key store", and "Smart card". Below this, there is a text input field labeled "Friendly Name" containing the text "my_friendly_name". A "Submit" button is located at the bottom right of the form.

4. After submitting the regeneration request, please wait for generation the process to finish.

Please wait during the generation of the certificates

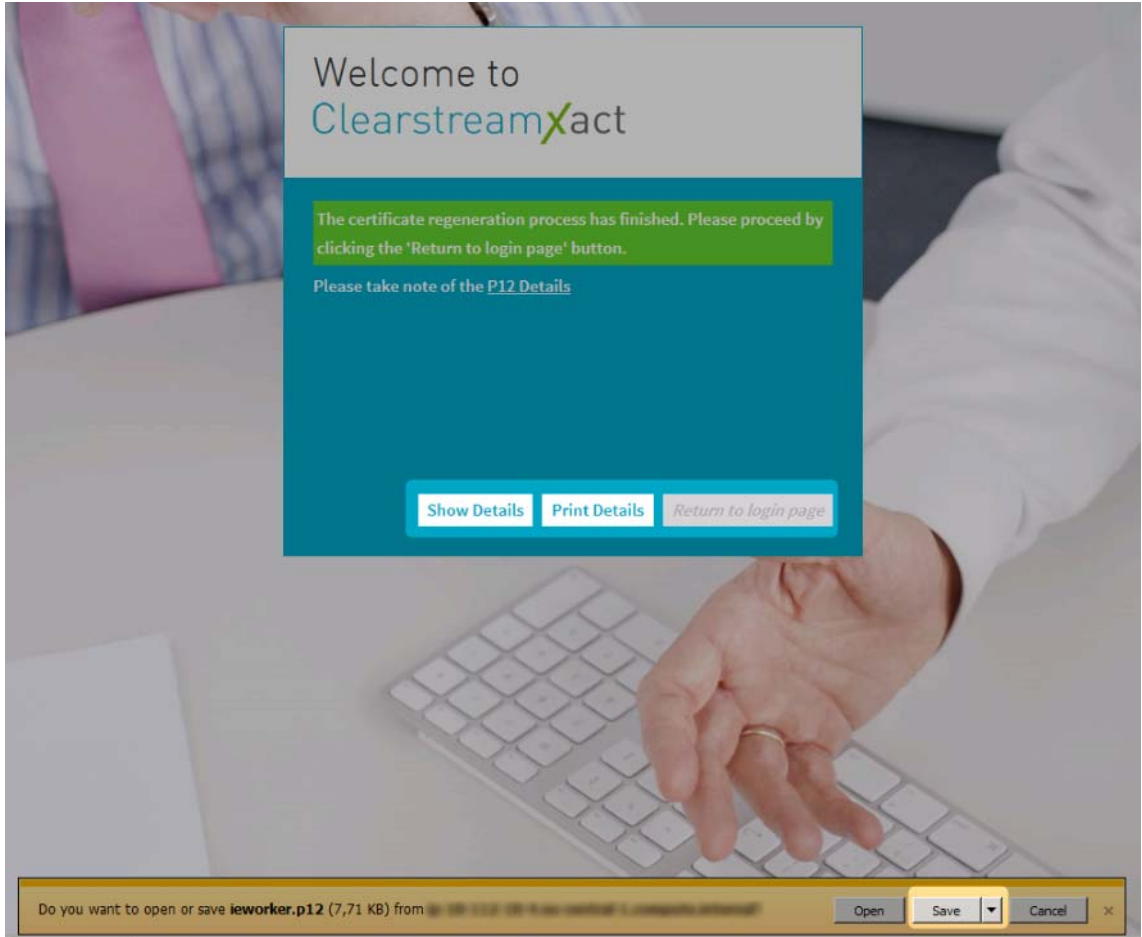
5. Once the generation process has finished, please wait for the storage process to finish.

Store certificates

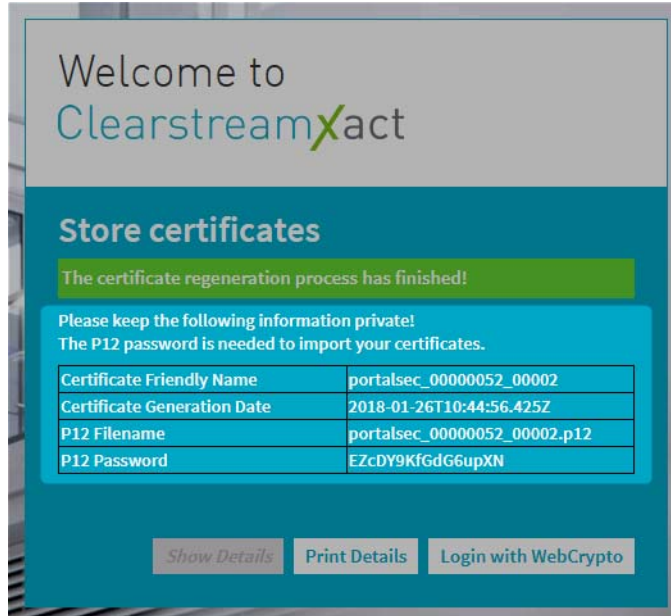
Storing certificates, please wait...

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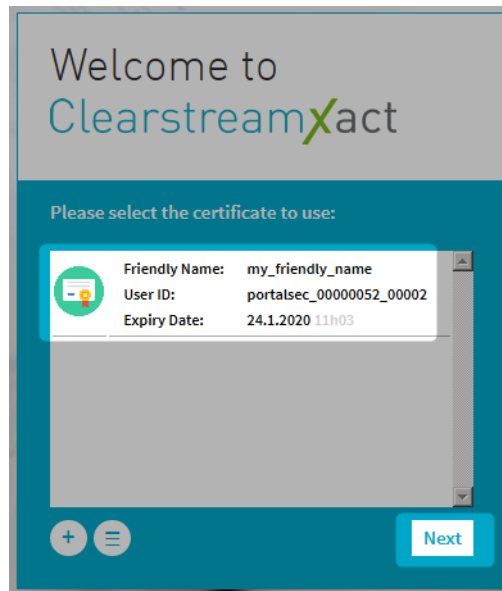
6. Once the storage process has finished, the automated WebCrypto backup P12 download will start. Depending on your browser settings you might need to confirm the download as shown below on the left. Once the backup P12 has been stored in a safe location, you will need to safely store the backup P12 details containing a randomly generated protection password. You can display these details by showing or printing them.



7. Please keep the details, especially the backup P12 password secret. This backup P12 will be needed to import your certificates in the future, or in case you would like to switch to another browser. We recommend printing this information and keeping the printed version in a safe place. Once you have displayed or printed the information, you can click the "Login with WebCrypto" button.



8. On the new WebCrypto certificate selection screen, you will see your migrated certificate. (Selected by default) Click "Next" to go to the password login.



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Migrating with Firefox (ESR 52)

Clearstream Xact Web Portal only supports Mozilla Firefox in its Enterprise Service Release 52 (ESR).

This enterprise oriented version of Firefox support Java Applets as well as WebCrypto. This version allows the migration of existing certificates from the Firefox keystore to WebCrypto.

The migration steps are identical to those of Internet Explorer 11.

Please refer to [“Migrating with Internet Explorer 11”](#) for the manual migration steps.

[“Migrating with Internet Explorer 11 automatically during login”](#) explains the automatic migration upon certificate expiration.

Using WebCrypto with Google Chrome

With the new WebCrypto module Clearstream Xact Web Portal also supports Google Chrome. Clearstream recommends Google Chrome over Internet Explorer 11 due to its improved performance, user experience and security aspects.

There are two options to migrate to Google Chrome:

1. Use Microsoft Internet Explorer 11 or Mozilla Firefox to migrate your applet certificates to WebCrypto. You will obtain a backup P12s during the process. This WebCrypto P12 can be imported into Google Chrome. Please follow [“Migrating with Internet Explorer 11”](#) to migrate your existing certificates to WebCrypto.
2. By requesting new temporary WebCrypto certificates from your organisation unit's administrator.

Additional Information

Customers using a Smartcard or VestimaPRIME must not migrate to WebCrypto. A new Java-less login module is under development for end of 2018. Customers will be informed accordingly during the course of the year.

WebCrypto P12 files generated during a migration are no longer compatible with the Windows or Java Applet P12 format due to stronger encryption and cannot be imported to the Windows Keystore. Please import the P12 using the import functionality on the WebCrypto login page. If you need a Windows compatible P12 please contact Clearstream support.