

# Importing and Exporting Proxy Server Certificates

## Exporting a Certificate

The installed Bridge Proxy Server certificate can be exported in order to re-install (import) it after a new installation of the Bridge.

The export function uses the Public-Key Cryptography Standards (PKCS), in particular the Personal Information Exchange format (PKCS #12), which specifies a portable format for storing or transporting a user's private keys, certificates, miscellaneous secrets, etc.

If you update the Bridge rather than a new installation, the certificate stays installed and does not have to be imported again.

On the **Certificate** tab, all related actions can be executed, if the user has administration rights.

The screenshot shows the Bridge Proxy Server interface for bridge.scheer-acme.com. The 'Certificate' tab is active, displaying details for a 'Proxy Service Certificate'. The details include: Version 3, Serial Number 3c:ae:b3:ce:2e:c0:7b:49, Algorithm SHA256WITHRSA, MD5 Fingerprint 09:2d:61:86:43:7d:3a:f8:53:13:c8:a5:09:8b:98:e9, SHA1 Fingerprint cc:b8:82:11:bd:b6:8d:64:83:dd:7d:64:85:fc:a4:2f:ff:31:8e:0d, Subject DN O=Snake Oil,CN=bridge.scheer-acme.com, Valid Not Before Mon Sep 23 17:10:40 CEST 2019, Valid Not After Thu Jul 14 17:10:40 CEST 2022, and Issuer DN O=Snake Oil,CN=bridge.scheer-acme.com. At the bottom of the certificate details, the 'Export' button is highlighted with a red circle. Below this, the 'Export Certificate' dialog is shown, requiring a password and a retype password. The 'Export' button is highlighted with a red circle, and a mouse cursor is pointing at it.

In order to export the certificate, click **Export**.

Enter a password, which will be needed again, when importing the exported **.p12** file, and click **Export**. Clicking **Cancel**, you can cancel the export and go back to the main certificate page.

If you have installed intermediate certificates to your Bridge proxy, they will be included in the export file.

Save the generated file at a destination of your choice. Click **Cancel** to return the main certificate page.

## Importing a Certificate

### On this Page:

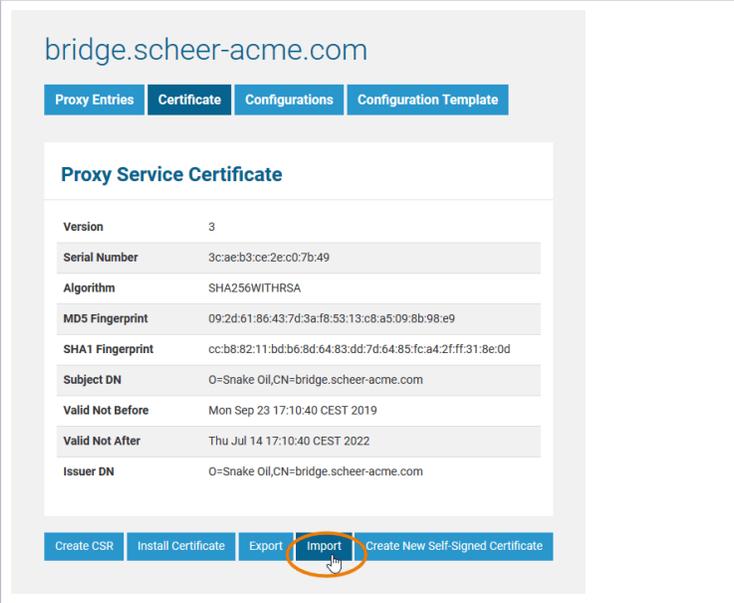
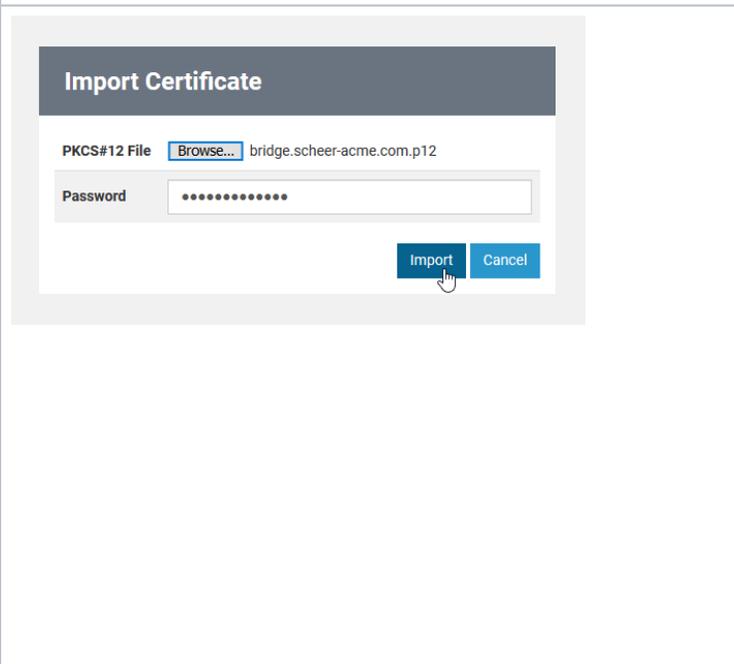
- [Exporting a Certificate](#)
- [Importing a Certificate](#)

### Related Pages:

- [Requesting and Installing a Certificate](#)
- [Importing and Exporting Proxy Server Certificates](#)
- [Renewing the Self-signed Proxy Certificate](#)

An exported Bridge Proxy Server certificate can be imported again in case the Bridge has been uninstalled and re-installed for any reason. The certificate has been exported (see previous chapter) using the Public-Key Cryptography Standards (PKCS), in particular the Personal Information Exchange format (PKCS #12) , which specifies a portable format for storing or transporting a user's private keys, certificates, miscellaneous secrets, etc.

On the **Certificate** tab, all related actions can be executed, if the user has administration rights.

	<p>In order to install a saved certificate, click <b>Import</b>.</p>
	<p>Select the PKCS#12 file, which you stored when exporting the certificate. Enter the password, which you also set when exporting the certificate. Then, click <b>Import</b>.</p> <div style="border: 1px solid black; padding: 5px; margin-top: 10px;"><p>If the certificate file contains intermediate certificates, they will be imported as well.</p></div> <p>Clicking <b>Cancel</b>, you can cancel the import and go back to the main certificate page.</p>

If you have chosen an invalid PKCS#12 file (for instance, if it contains a certificate of another node instance), or entered the wrong password, an error message will be displayed. After successfully importing the certificate, the main certificate page is displayed again showing updated certificate information.