noSpamproxy® SERVER

Integration of D-Trust in NoSpamProxy Encryption

Version 14

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Content

Notes and requirements

The following hardware and software is required to use D-Trust certificates in NoSpamProxy Encryption:

- Smartcard
- Card reader
- PIN
- **neXus Personal Desktop**
- OpenSSL

> **NOTE:** The certificate that is stored on the smart card cannot be exported or used directly in NoSpamProxy. It is only used for authentication as operator on the web interface. You then use the certificate to generate a system certificate that is stored in NoSpamProxy to use the connector.

> **NOTE:** OpenSSL is included in Linux operating systems by default. An installer file for free installation of OpenSSL on Windows can be found at http://slproweb.com/products/Win32OpenSSL.html .

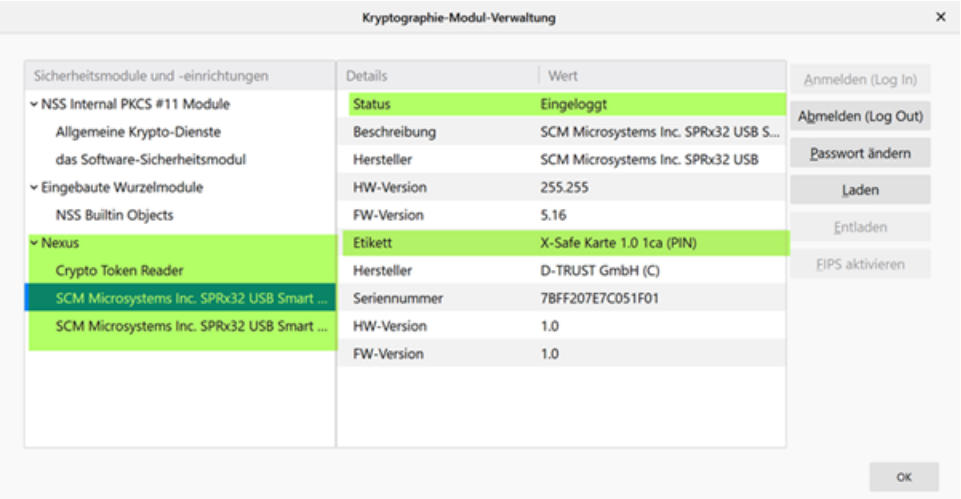
Browser settings (Firefox)

To enable your card reader to communicate with the smart card through nexXus Personal, you must make the following settings in your Firefox browser:

1. Open Firefox and go to **Settings**.
2. Go to **Privacy & Security** and scroll to **Certificates**.
3. Click **Security Devices** and then **Load**.
4. Assign any module name and click **Browse**.
5. Navigate to the Nexus program directory:
    - 32-Bit OS: **C:\Program Files\Personal\bin**
    - 64-bit OS: **C:\Program Files (x86)\Personal\bin**
    - 64-bit OS and Firefox 64-bit: **C:\Program Files (x86)\Personal\bin64**
6. Select the **personal.dll** program library (Firefox 64-bit: **personal64.dll**).

7. Klicken Sie **Öffnen**.

> Folgende Ansicht sehen Sie nach dem Anlegen in der Übersicht des Firefox-Browsers:



Integrating D-Trust into NoSpamProxy

Creating a system certificate

1. Log on to the Certificate Service Manager (CSM).

   - Test access to the CSM**: https://staging.d-trust.net/csm**
   - Regular CSM**: https://my.d-trust.net/csm/**

2. Click **Login mit Operatorkarte**.

   > A window of the neXus Personal software opens.

3. Enter your PIN.
4. Create a key using OpenSSL by entering the following on the command line:
   `openssl genrsa -out private.key 2048`

5. Create a Certificate Signing Request (CSR) via OpenSSL using the key:

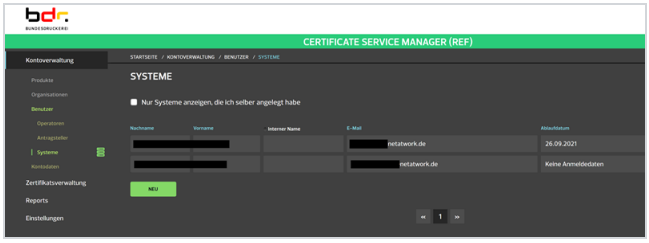
   `openssl req -new -key private.key -out request.csr`

6. Open the file **request.csr** and copy the content to the clipboard.

Integrating D-Trust into NoSpamProxy

Sending the system certificate to D-Trust

1. Open the Certificate Service Manager.
2. Go to **Startseite > Kontoverwaltung > Benutzer > Systeme** .



3. Click **Neu**.

4. Scroll to the bottom of the page.

5. Enter an internal name for the system.
6. Perform one of the following two steps:
    - Click **Datei auswählen** and upload the **request.csr** file.
    - Copy the contents of the file **request.csr** from the clipboard into the green input field.
7. Click **Anlegen**.

NOTE: The certificate is now being processed. The corresponding PIN will be sent to you by post.

TIP: You can check the status of your access token under **Startseite > Einstellungen > Meine Zugangstoken**.

Creating the key material

After the previous steps have been carried out, you will receive an email from D-Trust containing the public key as an attachment. With the help of this public key and the private key, you now create the required key material.

1. Enter the following on the command line:
   `openssl pkcs12 -export -inkey path/private/key.key -in path/public/key.pem -name email -out NameDesKeypair.pfx`

   > **NOTE:** Specify the corresponding paths and the name for the key pair.

2. In the NoSpamProxy Command Center, go to **Identities > Certificates > Certificate management**.
3. Click **Import** and then **Select certificates**.
4. Select the created certificate and click **Next**.
5. Click **Finish**.

Integrating D-Trust into NoSpamProxy

1. In the NoSpamProxy Command Center, go to **Identities > Cryptographic key requests > Key request providers**.
2. Click **Add**.
3. Select **D-Trust** as type and click **Next**.
4. Specify a provider name and select the operator certificate.
5. Enter the name of the certificate template and, if requested, the operator address.

   > **NOTE:** You can find the name of the certificate template in the D-Trust Certificate Service Manager under **Kontoverwaltung > Produkte > Produktdetails**.

6. Click **Next** and then **Finish**.

Help and support

Knowledge Base

The **Knowledge Base** contains further technical information on various problems.

Website

The **NoSpamProxy website** contains manuals, white papers, brochures and other information about NoSpamProxy.

NoSpamProxy Forum

The **NoSpamProxy forum** gives you the opportunity to exchange information with other NoSpamProxy users, get tips and tricks and share them with others.

Blog

The **blog** offers technical support, tips on new product versions, suggestions for changes to your configuration, warnings about compatibility problems and much more. The latest news from the blog is also displayed on the start page of the NoSpamProxy Command Center.

YouTube

On our **YouTube** channel you will find tutorials, how-tos and other product information that will make working with NoSpamProxy easier.

NoSpamProxy Support

You can reach our support team

- by phone at **+49 5251304-636**
- by email at **support@nospamproxy.de**.