

Test keys, RSA

To create and provide reports on the performed transactions to the repository in the test environment you need to add test certificates and keys to the Certificates storage. When a client has provided all necessary information (see [Obtaining access to the Web-client](#)), test keys in archive will be sent to him by e-mail. The archive contains (Fig. 1):

- the **Spr** folder which contains the certificates to create a personal and local storage (profile);
- test private key used to create digital signature for messages sent from the client to the repository and to decrypt messages sent from the repository to the client;
- the test public key **by** which the incoming messages are encrypted.

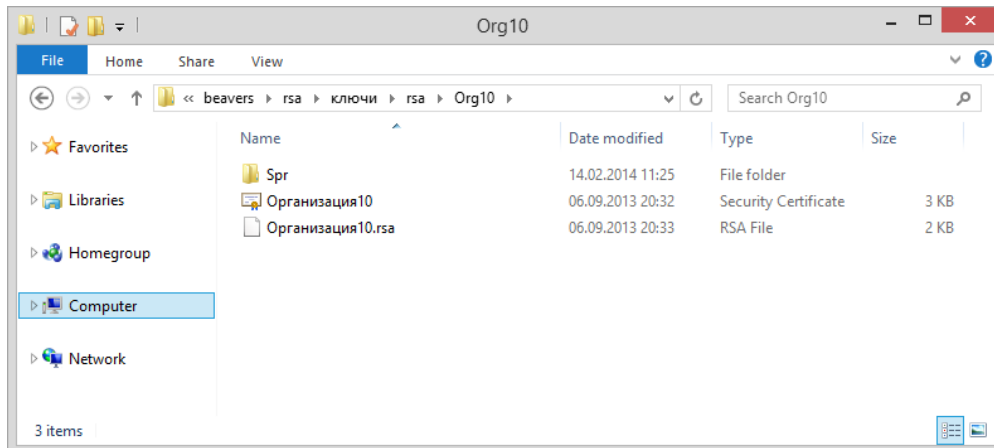


Figure 1 – non-qualified certificates

If the keys and the certificates are stored on an external drive insert it into the computer's USB port , then run Certificates storage menu using the Start menuAll Programs (MOEX EDS DSSK) (Certificates storage).



If the user works with several profiles, you need to add another profile. You can find a detailed information in the Profile settings.

If there are several profiles, the profile selection dialog will pop up when starting a Certificates storage, where you will need to select the new profile and click the OK button (Fig. 2).

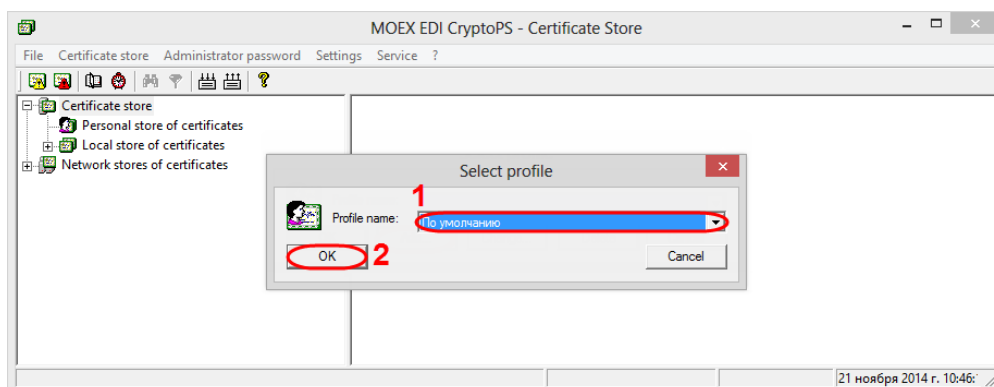


Figure 2 – profile selection

Next, you need to go to the directory containing ertificates to create a personal and local storage (profile) (Fig. 3).

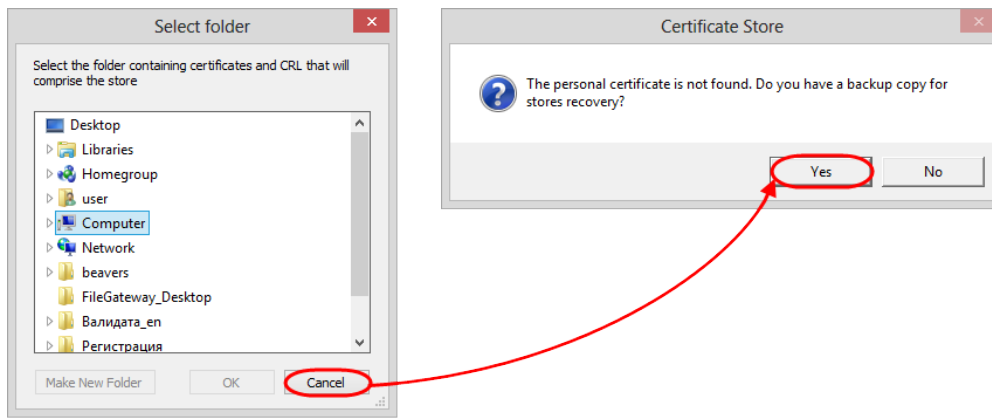


Figure 3 – directory selection

As a result, the dialog will pop up, where you will need to choose the **Spr** folder and click the **OK** button (Fig. 4).

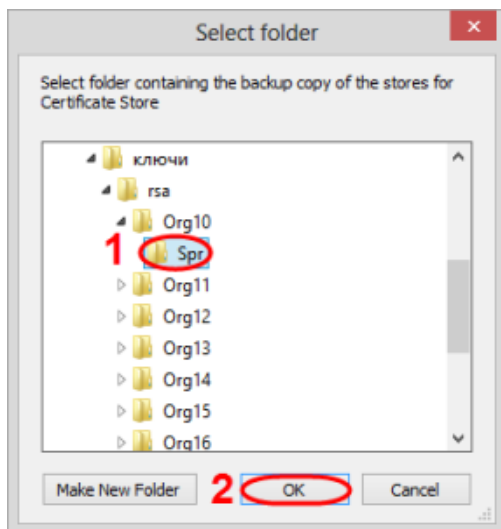


Figure 4 – Spr folder

Next, you need to close the Certificates storage to apply settings (Fig. 5).

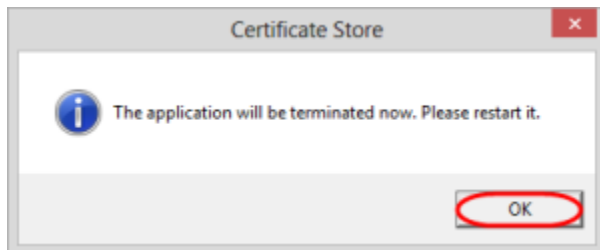


Figure 5 – exit the Certificates storage

If you are not using the latest storage when running Certificates storage using the **Start menu All Programs (MOEX EDS DSSK) (Certificates storage)**, a message will appear informing that the personal storage is protected with the test certificate. You need to click the **OK** button in this window (Fig. 6).

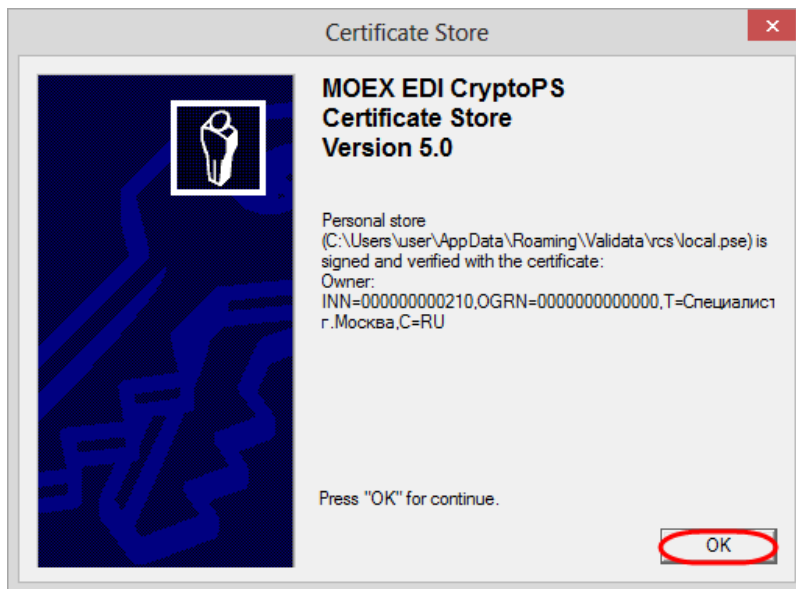


Figure 6 – informational message

If you are using the latest storage when running Certificates storage using the **Start menu All Programs (MOEX EDS DSSK) (Certificates storage)**, a message will appear, where you need to click **Yes** (Fig. 7).

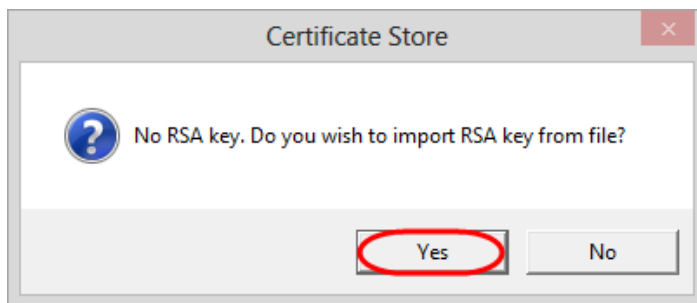


Figure 7 – informational message

As a result, the dialog will pop up, where you will need to choose test private key and click the **Open** button (Fig. 8).

i The file name of the test key is formed by mask **Organization [the test private key number].rsa**

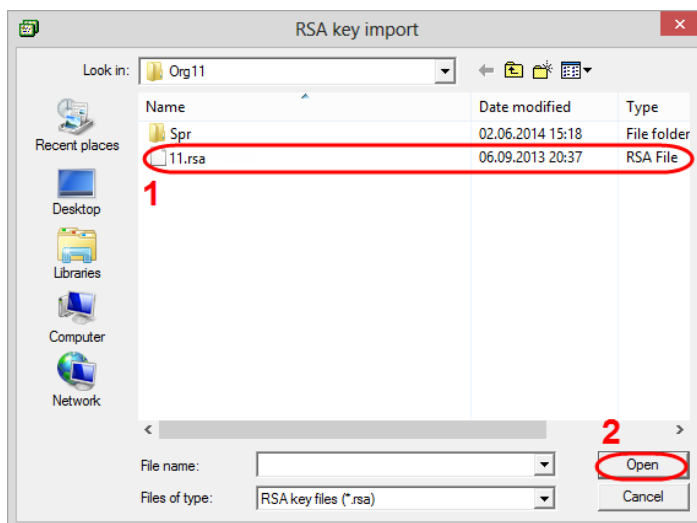


Figure 8 – test private key

Then the certificate must be set as **default**. To do this, select the added certificate, right-click on the shortcut menu, and select **Make the certificate as working** (Fig. 9).

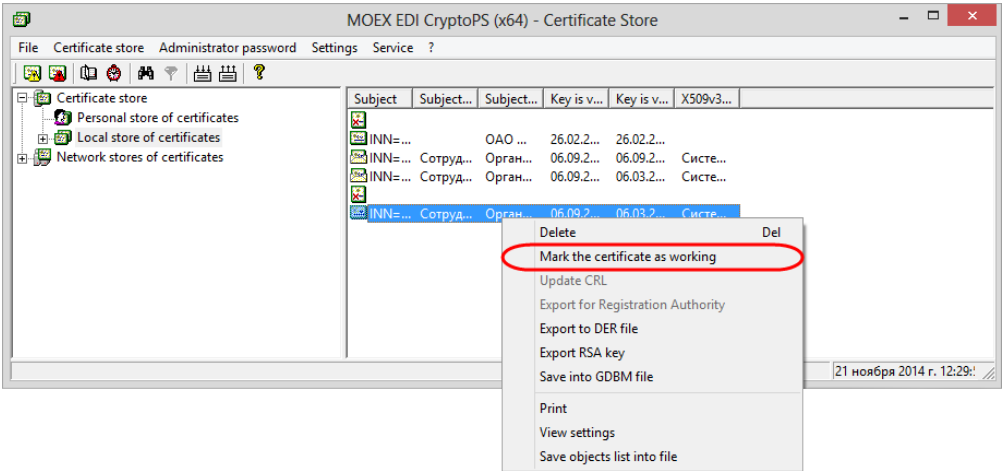


Fig. 9 – selecting the working certificate

After adding a personal certificate to the Certificates storage, the personal storage is signed on the personal test certificate. The generation of a digital signature for sent messages is ensured by the private test key.

To ensure information security in the Web-client when sending messages the system encrypts data using the NSD EDI certificates. The NSD certificate must be added in the Certificates storage (see [Adding the NSD certificate](#)).



The information for further preparation of the computer and the configuration of the installed components is presented in the [Web-client performance check](#).