

Certificate export for PC without internet

Computers that are disconnected from the Internet for a long time may have a problem with starting the SIMULand application and verifying the signature of the firmware files. This is because the application uses the Windows certificate store (certmgr.msc).

Solution 1 - export certificates from another PC

List of required certificates:

- *DigiCert Trusted G4 Code Signing RSA4096 SHA384 2021 CA1*
- *DigiCert Trusted Root G4*
- *DigiCert Assured ID Root CA*
- *DigiCert Global Root G2*
- *RapidSSL TLS RSA CA G1*

Procedure for exporting certificates with a PC with Internet:

1. Run window (Win + R) enter the command: **certmgr.msc**
2. In the menu Actions -> Search for certificates...
3. Search in field: **Issued for**; Contains: <copy certificate name>; Start with the **Find** arrow
4. There may be multiple results in the search results. Choose the one with the longest validity. Right-click **Export...**
5. Use the wizard to export to disk in Binary X.509, DER encoding (*.cer).
6. Repeat from point 3) for all certificate names.

Transfer all exported *.cer files to the target computer with SIMULand installed.

Import certificates:

1) Run each exported *.cer file by double-clicking, select the Install certificate option and, using the wizard, import it to the repositories listed in the table below. Some certificates must be in multiple repositories. For them, it is necessary to perform the installation several times.

Subject(Issued for)	Storage type		
	Intermediary certification authorities	Third-party root certification authorities	Trusted Root Certification Authorities
DigiCert Trusted G4 Code Signing RSA4096 SHA384 2021 CA1	●		
DigiCert Trusted Root G4		●	●
DigiCert Assured ID Root CA			●
DigiCert Global Root G2		●	●
RapidSSL TLS RSA CA G1	●		