Certificates

The University Computer Center offers a Public Key Infrastructure (PKI) in cooperation with the DFN-Verein: **GÉANT-TCS** (GÉANT Trusted Certificate Service) is a PKI service that the DFN-Verein obtains via GÉANT - this realizes the service with the help of external providers who are found through regular tenders. The current service provider is HARICA

- **GÉANT-TCS - HARICA**
  - Provider: Hellenic Academic & Research Institutions Certification Authority
  - Issue period: **since 2025-01**
- GÉANT-TCS - SCM
  - Provider: Sectigo Limited
  - Exhibition period: **2021-10 - 2025-01**

The Trusted Certificate Services enable the following services by issuing digital certificates:

- **User Certificates**:
  - Signing and encryption of files and documents
  - Signing and encryption of e-mails
- **Server certificates**:
  - Tap-proof network connections via SSL/TLS

In the architecture of a PKI, there are one or more digital certificate authorities (CAs) that issue digital certificates. These certification authorities must be known to the operating system and/or the software used so that the validity of a digital certificate can be checked.

- The first step is therefore to check whether these certification authorities are already present in the operating system / in the software to be used.
- The second step is to apply for and use a digital certificate.

Certification authorities

The control and, if necessary, integration of the certification authorities into the operating system / the software used is described in the subsection certification authorities.

User certificates

University members - with the exception of students - can obtain digital user certificates according to the X.509 standard. The application process is described in the subsection User certificates.

Server certificates

University members - with the exception of students - can obtain digital server certificates according

to the X.509 standard. The application process is described in the subsection server certificates.

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