Technical Trainings

SSL/TLS (x.509) Certificates-Workshops

Content

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SSL/TLS Certificates Basics: Practical workshop on the daily handling of certificates

This workshop facilitates the daily handling of SSL certificates and is aimed at everyone who has to use SSL certificates regularly in their customer systems. The most important basics for the secure handling of SSL/TLS (x.509) certificates are taught and instructions for editing and importing certificates are provided.

Course duration: 0.5 days

Course content:

Half-day online workshop on the most important certificate topics in everyday technician life. After the workshop, the participants can describe simple certificate requirements, create certificate requests, and check and import device certificates. Ready instructions for the most important certificate commands are provided.

- Basics of handling SSL/TLS (x.509) certificates.
- Installation and use of OpenSSL on Windows.
- Creation of signing requests with all necessary parameters.
- Review, edit and convert certificate files.
- Creating certificate chains and importing certificates.

Requirements:

Your own laptop with Microsoft Windows and admin rights to install OpenSSL. Alternatively, PCs with Linux or MAC OS on which OpenSSL is prepared can also be used.

SSL/TLS Certificates Expert: Confident handling of SSL/TLS (x.509) certificates and PKIs

This workshop brings light into the darkness of certificates and is aimed at anyone who has always wanted to know more about certificates. It is clearly explained how SSL/TLS certificates work, which components are necessary for the secure use of certificates, and how they interact in an infrastructure. Everything that is necessary for competent handling of SSL/TLS certificates in practice is explained.

Course duration: 1 day

Course content:

One-day online workshop on everything technicians and consultants need to know about SSL/TLS certificates. It makes it possible to coordinate certificate requirements with customers, to use certificates in their own environments and provides ready-made handouts for the secure handling of certificate files.

- How certificates and certificate environments work
    - What are certificates and why are they needed
    - Cryptography as a basis for certificates
    - Signatures and Certificate Authorities
    - How certificates and certificate chains work
    - Extended certificate fields
    - Clarify the terminology relating to certificates
    - How do PKIs, ACME (e.g., Let's Encrypt) and cross-signing work
- Handling of certificate files
    - Handling certificate tools and editing certificate files
    - Creating and signing certificate requests
    - Understand and create certificate chains
    - Checking and importing certificates into customer systems

Practical examples are included in the workshop, but the participants also have the opportunity to describe their own certification requirements from practice. These can then be edited together if desired.

Requirements:

Basic knowledge of dealing with certificates is recommended.

Your own laptop with Microsoft Windows and admin rights to install OpenSSL. Alternatively, PCs with Linux or MAC OS on which OpenSSL is prepared can also be used.

Contact

Do you have any questions about the content, interest in my service or any other concerns?

I look forward to your message!

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