Introduction ITSec The Landscape

Precondition
Before start check out that:
>
> You are
> - Ready with your computer
> - Opened a browser

All good!.

The mission
In this lesson, we will:
>
> Introduce the IT Security basic concepts
> Discuss the context and objectives of IT Security
> Explore main challenges of IT Security
> Attacks and protection in the 5 layers
> Introduce various symmetric encryption techniques
> Do some real life encryption/decryption

Outcome
After this lesson, you have learned about:

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> Threats
> Hacker-types
> CIA-AAA: Confidentiality, Integrity, Authentication + 3xA
> Symmetric keys concept:s encryption/decryption
> DES, 3DES, AES algorithms
> Cipher block modes ECB vs CBC
> Owasp.org
> CrypTool No. 2.1

Next step and next week
It's time for some assignments at the end of the lecture:
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> Install SW
> Discuss and solve questions in the 2 assignments on first week.