Introduction ITSec Public Encryption and Hashing

Precondition
Before start check out that:

> You have read and understood
> - Symmetric encryption
> - Can open Teams

If not do it later!.

The mission
In this lesson, we will:

> Introduce the issues of Integrity and Authentication
> Introduce various asymmetric encryption techniques
> Introduc various hashing functions
> Explore certificates creation
> Explore packet sniffer
> Do some real life encryption/decryption and hashing

Outcome
After this lesson, you have learned about:

> Asymmetric keys concept: encryption/decryption
> RSA
> Diffie-Hellman
> Hashing concepts
> SHA512
> MAC, HMAC
> Wireshark
> CrypTool No. 2.1

Next step and next week
It's time for some assignments at the end of the lecture:

> Install SW
> Discuss and solve questions in the assignments on second week.