Tutorial 1:	**OpenSSL**
Responsible Lecturers:	**Prof. Dr. rer. nat. Clemens H. Cap** Prof. Dr. rer. nat. habil. Andreas Ahrens Prof. Dr.-Ing. habil. Dennis Pfisterer
Language:	English
Teaching Method:	Practical exercise / Lab
Attendance requirements:	Students are invited to bring their own laptop to the tutorial. Preinstalled versions of open SSL can be helpful as well.
Goals / Skill:	Getting familiar with the OpenSSL software package for data encryption and decryption
Detailed Content:	OpenSSL is one of the most important public domain software systems for encryption and public key infrastructure. In this tutorial, which is under the guidance of the three lecturers of the first week, the students will learn how to install and use this software package. The tutorial will further comprise demonstrations of the theoretical concepts contained in the lectures of the first week. Especially, an RSA key pair will be generated, a document will be signed and encrypted and a certificate will be generated.
Media Used:	Practical Demonstrations, Lab Exercises by the students
Assigned Lectures:	• Network Forensics • Concepts in Cryptography • Network Security