

Tutorial 4:	Cracking
Responsible Lecturers:	Dr.-Ing. Thomas Kemmerich Prof. Dr.-Ing. habil Peter Sobe Prof. Dr. rer. nat. habil. Martin Leucker
Language:	English
Teaching Method:	Practical exercise / Lab
Attendance requirements:	Students are invited to bring their own laptop and install a tool for penetration tests
Goals / Skill:	The students will learn the possibilities with penetration test tools, like nmap, wireshark or a composition of tools like metasploit, to gather security relevant information of a dedicated server system.
Detailed Content:	After a short introduction to the tools the students will develop strategies for gathering significant information of the server system. With this information a dedicated attack strategy against the systems will be planned and realized. One half of the students will operate the server system and will defend the Systems against any attack, the other half is attacking the systems. At the end of the tutorial we will discuss the results under the view of successful protection strategies against hacking attacks. The sense and the successful operation of security measures will be discussed.
Media Used:	Practical Demonstrations, Lab Exercises by the students
Assigned Lectures:	<ul style="list-style-type: none"> • Mobile Computing and Security Testing • Privacy and Anonymity in the Internet • Software Reliability