

Course Overview

Network Management

Prof. Dr. Panagiotis Papadimitriou





- Description
 - Advanced networking course on principles, technologies and architectures for the management of:
 - transit networks
 - virtual networks
 - large enterprise networks
 - data-center networks
- Prerequisites:
 - Good understanding of Internet architecture and protocols (e.g., TCP/IP)
 - Courses:
 - Netze und Protokolle, or
 - Rechnernetze



- 2-hour Lecture
 - Lecturer: Prof. Panagiotis Papadimitriou
 - Time: Wednesday 10:00 11:30
 - Room: 1514
- 1-hour Exercise
 - Tutor: David Dietrich
 - Time: Wednesday 11:45 12:30
 - Room: 1514



- Introduction to Network Management
- Simple Network Management Protocol (SNMP)
- End-host Configuration Management
- Router Configuration Management
- Middlebox Configuration Management
- Virtual Network Management
- Large Enterprise Network Management
- Data-center Network Management



- Lecture and Exercise slides:
 - Slides will be uploaded to Stud.IP
- Books (optional):
 - "Computer Networking: A Top-Down Approach" by J. Kurose and K. Ross
 - "Mastering Networks: An Internet Lab Manual" by J. Liebeherr and M. Zarki
 - "Computer Networking : Principles, Protocols and Practice", http://cnp3bis.info.ucl.ac.be/
- Other material:
 - Papers, surveys, and Internet drafts for advanced topics (e.g., virtual network management, datacenter network management)



Grading:

- Examination (written) at the end of the term
- Registration will be required to participate in the exams (more details before the end of the term)

Contact Information





- Office Hours:
 - Thursday, 11:00 12:00
 - Office: 1421
- Contact:
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