
Next Generation Internet

TU Chemnitz - WS 15/16

Outline - Next Generation Internet

- Introduction
- Fundamentals of IP Networking
 - Internet Protocols (TCP/IP)
 - IP Addressing / NAT / DNS
 - IP Routing
- Services and Applications
 - Web Browsing (HTTP)
 - Voice/Multimedia over IP (SIP) / IP-based Multimedia Subsystem (IMS)
 - Video Streaming
- Advanced Networking Concepts
 - Quality of Service (QoS)
 - Group Communication / Multicast
 - Flow and Congestion Control
 - Mobility Mechanisms
- Hot Topics
 - Software Defined Networking (SDN)
 - Network Functions Virtualization (NFV)