

Agenda - IPv6 Praxisworkshop

1. Tag

08:30 **Eintreffen der Teilnehmer im Gebäude 4 (Mensa)**
Begrüssung bei Kaffee und Gipfeli

- 09:00 - 11:00
- **Vorstellung INS-HSR**
 - **IPv6 a Brief Introduction**

 - **History**
 - **Why IPv6 now after 15 Years of talking?**
 - **Motivation to deploy IPv6**

Pause

- 11:15 - 12:15
- **IPv6 Overview**

 - **Packet**
 - **Extension Headers**
 - **Autoconfiguration**
 - **Ipv6 Adresses**

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- 13:30 - 15:15
- **IPv6 Address Planning**

 - **IPv6 Address Ranges**
 - **Practical Address Plan**
 - **Subnetting in IPv6**

Pause

- 15:30 - 17:15
- **IPv6 Routing I**

 - **IPv6 Interfaces**
 - **Static Routing**
 - **RIPng**
 - **EIGRP**

2. Tag

- 09:00 -
10:30
- **IPv6 Routing II**
 - OSPFv3
 - BGP
 - Policy based routing
 - First Hop Redundancy / HSRP

Pause

- 10:30 -
12:30
- **IPv6 Services**
 - DNS / DHCP
 - Management SNMP, NTP, SSH, Telnet, Syslog

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- 13:30 -
14:30
- **IPv6 Tunnel Technologies**
 - 6in4
 - 6over4
 - ISATAP
 - Teredo

Pause

- 14:35 -
15:30
- **IPv6 Deployment Plan**
 - Do I need to start now?
 - Where to start & things to consider
 - Hardware and Software
- 17:15
- **Course Feedback**