IPv6 Fundamentals TRAINING COURSE

The "IPv6 Fundamentals Training Course" is a one-day course that tackles what IPv6 is and the need for IPv6 in today's networks. It also includes basic information on how to plan your deployment and addressing plans.

Goals

- Explain what IPv6 is and its format
- Identify the different types of IPv6 Addresses
- Learn about obtaining an IPv6 allocation, address space types, and registering them in the RIPE Database
- Explain the IPv6 protocol functions with a focus on the Neighbor Discovery Protocol and address auto-configuration
- Understand how best to plan an IPv6 deployment

Pre-Requisites

It is assumed you are familiar with common IP terminology and have practical knowledge of running an IP network.

Course Content

- Introduction
- IPv4?
- IPv6 Address Basics
- Getting it
    - *Exercise: Making Assignments*
- IPv6 Protocol Basics
    - *Exercise: Addressing Plan*
- IPv6 Packets
- Deploying
    - *Exercise: Configuring IPv6*
- Real life IPv6 Deployments
- Tips

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