The "Basic IPv6 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

**Training Material:** [https://www.ripe.net/training-material](https://www.ripe.net/training-material)

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