IPv6 ADVANCED TRAINING COURSE

This two-day course provides an in-depth coverage of key topics regarding the deployment of IPv6 in different types of networks. The participant will gain insight into industry best practices and develop a high-level understanding of the different stages of IPv6 rollout.

Goals

- Get the green light from decision makers and develop a project plan for your IPv6 deployment project
- Identify the different stakeholders involved in the deployment of IPv6
- Recognise the needed technical skills and where to find training resources
- Develop an IPv6 transition strategy for the IPv6 deployment project
- Acquire a solid understanding of the different technical options available for each network type and how to choose from them
- Configure IPv6 with OSPF, BGP, DNS and test multihoming in a LAB network

Pre-Requisites

It is assumed you are familiar with:

- IPv4
- IPv6 Fundamental level: IPv6 notation, header information, DHCPv6, NDP
- IP networking basics: concepts and protocols TCP/IP, DNS, DHCP, OSPF, IS-IS, BGP),
- For the Labs: Basic understanding of CLI and command line tools.

Course Content

- Introduction
- Get Approval Phase
  - *Get the green light*
  - *Project Planning*
- Get Ready Phase
  - *Create an addressing Plan*
  - *Get IPv6 Training*
  - *Build a test environment*
  - *Adopt a transition strategy*
- Deploy Phase
  - *Backbone network*
  - *Access network*
  - *Enterprise network*
  - *Datacenter network*
  - *Cloud network*
- Manage
  - *Troubleshooting*
  - *Monitoring*
- Tips and Tricks

- Training Material: **https://www.ripe.net/training-material**
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Training Material

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