Master IPv6 Subnetting and Address Planning

This hands-on workshop is designed to give network engineers a solid and practical understanding of IPv6 subnetting, address planning, and deployment strategies. Participants will learn how to design scalable IPv6 address plans, allocate subnets efficiently, and avoid common mistakes seen in real-world networks.

Instructor

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What You Will Learn

- Introduction to IPv6 Addressing
  Understanding IPv6 structure, notation, address types, and how IPv6 differs from IPv4.
- IPv6 Subnetting Fundamentals
  How to create and calculate IPv6 subnets, choose the right prefix sizes, and design hierarchical subnet plans.
- Best Practices for Address Planning
  Techniques for building clean, scalable, and future-proof IPv6 addressing schemes for enterprises, ISPs, and data centers.
- IPv6 Deployment Considerations
  Operational tips, common pitfalls, and practical guidance for integrating IPv6 into existing networks.
- Hands-On Exercises
  Real calculation tasks, subnetting drills, and designing an address plan for a sample network.

Who Should Attend

Network engineers, system administrators, and technical professionals who want to strengthen their IPv6 knowledge and prepare for real operational deployment.

Outcome

By the end of this workshop, participants will be able to confidently design IPv6 address plans, perform accurate subnetting, and apply best practices to their organization’s IPv6 rollout.

Session recording

https://drive.google.com/file/d/1WWAm4dnsRmsl58oMH1sBLZxrVmOum4Bs/view?usp=share_link

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