

NETWORK INFRASTRUCTURE FUNDAMENTALS

Duration: 3 Days

Learning Objectives

- Understand enterprise network design and components
- Learn how networks support VDI, security, and storage
- Build strong networking fundamentals for infrastructure roles

Detailed Topics

- Networking basics
 - LAN, WAN, MAN
 - OSI & TCP/IP models
- Network devices
 - Switches
 - Routers
 - Firewalls
 - Load balancers
- IP addressing & subnetting (foundational)
- VLANs & routing concepts
- Network services
 - DNS
 - DHCP
 - NAT
- Network availability & redundancy
- Network performance & monitoring basics
- Network considerations for VDI & storage traffic
- Introduction to network security concepts

Outcome

Participants can understand, communicate, and support enterprise network environments.