

# 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.