

# IP Networks

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## Description:

This course provides the fundamentals of IP Networks. It is designed for Service provider and non-service provider customers, channel partners and resellers, employees with basic IP knowledge.

## Objectives:

- To describe the purpose and operation of common Layer 2 technologies
- Analyze an IP address with subnet mask and calculate subnet boundaries
- Explain the difference between static routes and dynamic routing protocols
- Explain the basic operation of the Transmission Control Protocol ( TCP )
- Describe the purpose of MPLS and how it can be used to create tunnels across IP network

## Course content:

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- Introduction to Scalable IP Networks
- Internet and TCP/IP Overview
- Data Link Overview
- IP Layer
- IP Routing
- Transport Layer
- Services Overview

## Delivery type:

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The training is scheduled for 2-3 days depending on audience background and options and is instructor led.

The day is divided in two modules of 3 hours each.