# ICND 2 v2.0 - Interconnecting Cisco Networking Devices Part 2 v2.0
(5 Day)

## Course Description
The Interconnecting Cisco Networking Devices, Part 2 (ICND2) v2.0 course provides entry-level network administrators, network support, and help desk technicians with the knowledge and skills needed to install, configure, operate, and troubleshoot a small enterprise network. ICND2.

ICND2 v2.0 focuses on understanding redundant topologies, troubleshooting common networking issues, configuring EIGRP and multiarea OSPF in both IPv4 and IPv6, understanding WAN technologies, and becoming familiar with device management and Cisco licensing. The student will encounter more troubleshooting and more lab time than with the previous version of ICND2.

## Prerequisites
- Implement local area networks
- Implement Internet connectivity
- Manage network device security
- Implement WAN connectivity Implement basic IPv6 connectivity

## Course Objectives
- Operate a medium-sized LAN with multiple switches, supporting VLANs, trunking, and spanning tree
- Troubleshoot IP connectivity
- Configure and troubleshoot EIGRP in an IPv4 environment, and configure EIGRP for IPv6
- Configure and troubleshoot OSPF in an IPv4 environment, and configure OSPF for IPv6
- Define characteristics, functions, and components of a WAN
- Describe SNMP, syslog, and NetFlow, and manage Cisco device configurations, Cisco IOS images, and licenses

## Course Outline
- Module 1: Implementing Scalable Medium-Sized Networks
- Module 2: Troubleshooting Basic Connectivity
- Module 3: Implementing an EIGRP-Based Solution
- Module 4: Implementing a Scalable, Multiarea Network, OSPF
- Module 5: Wide-Area Networks
- Module 6: Network Device Management