



## Enhanced Network Solutions Group

Systems Integration • Learning Solutions • CIO Consulting  
Managed Outsourcing • Healthcare Solutions • Security Solutions

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# ICND2 Interconnecting Cisco Network Devices Part 2

ICND2 Rev 04.10

## 5 days

### Description

This course focuses on providing the skills and knowledge necessary to install, operate, and troubleshoot a small to medium-size branch office Enterprise network, including configuring several switches and routers, connecting to a WAN, and implementing network security.

### Prerequisites

- *ICND1*

### Course Objectives

After completing this course, the learner will be able to meet these overall objectives:

- *Review how to configure and troubleshoot a small network*
- *Expand the switched network from a small LAN to a medium-sized LAN with multiple switches, supporting VLANs, trunking, and spanning tree*
- *Describe routing concepts as they apply to a medium-sized network and discuss considerations when implementing routing on the network*
- *Configure, verify, and troubleshoot OSPF*
- *Configure, verify, and troubleshoot EIGRP*
- *Determine how to apply ACLs based on network requirements, and to configure, verify, and troubleshoot ACLs on a medium-sized network*
- *Describe when to use NAT or PAT on a medium-sized network, and configure NAT or PAT on routers*
- *Identify and implement the appropriate WAN technology based on network requirements*

### Course Outline

**Module 1: Small Network Implementation**

**Module 2: Medium-Sized Switched Network Construction**

**Module 3: Medium-Sized Routed Network Construction**

**Module 4: Single Area OSPF Implementation**

**Module 5: EIGRP Implementation**

**Module 6: Access Control Lists**

**Module 7: Address Space Management**

**Module 8: LAN Extension to a WAN**



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