



## **Interconnecting Cisco Networking Devices Part 2 (ICND2)**

**Associated Certifications:** CCNA

**Exam:** 640-816 ICND2

**Duration:** 5 days, Classroom

**Dates:** 3<sup>rd</sup> Sep 2007, 15<sup>th</sup> Oct 2007, 19<sup>th</sup> Nov 2007

**Cost:** £1,395

### **Who should Attend**

ICND2 is designed for those who have a firm background in data networking, have some hands-on experience with Cisco routers and switches, and are looking to increase their knowledge of installation, maintaining, and troubleshooting medium-sized switched and routed networks or for those who are looking to achieve the first level of Cisco certification, the CCNA. We strongly recommend that other students start with ICND1.

### **PREREQUISITES**

ICND2 assumes a basic working knowledge of bridges and routers and a complete understanding of the OSI model, IP addressing, and IP subnetting. ICND1 is recommended and builds a strong foundation for this course. Understanding Networking Fundamentals and TCP/IP Networking also serve as prerequisites.

### **COURSE CONTENT**

This hands-on Authorized Cisco course builds on the foundation provided by ICND1 (Interconnecting Cisco Network Devices 1), providing a technical foundation for the rest of the Authorized Cisco curriculum. Whether your goal is to familiarize yourself with Cisco technology or to become a Cisco Certified Internetworking Expert, ICND1 and ICND2 are the place to start.

This course not only delivers essential information needed to pass the CCNA certification exams, but it also includes comprehensive hands-on reinforcement to ensure that you add skills and not just knowledge. If you are new to Cisco, ICND2 prepares you for the tasks you will face on the job.





## **COURSE OBJECTIVES**

After completing this course, students should have learnt:

- Review how to configure and troubleshoot a switch and router in a small network environment
- Expand the switched network from a small to medium network environment
- Dangers of redundant switching
- Spanning Tree
- Concepts of VLANs and trunking
- Implementing VLSM
- Configure, verify, and troubleshoot OSPF
- Configure, verify, and troubleshoot EIGRP
- Determine when to use access control lists (ACLs)
- Configure, verify, and troubleshoot ACLs
- Configure NAT and PAT
- IPv6 addressing
- Configure PPP, CHAP, and PAP
- Frame Relay operation
- VPN solutions

**New to networking and looking for CCNA Certification?** The CCNA certification requirements are covered in two courses: ICND1 and ICND2. Certification is obtained by passing the ICND1 and the ICND2 tests or by passing a combined CCNA test 640-802.

