CCNA Passport

Experts in Networking
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Save £395 from individual prices with a passport price of £1,595 + VAT

- **New CCNA course content supporting ICND1 and ICND2 exams**
- **Live kit is used throughout all the courses**
- **Maximum class sizes of 8 delegates**
- **8 days training delivered as two 4 day courses**
- **High practical content with knowledge mirroring real world skills**
- **Continuing post course support for 12 months**
- **11 years experience of Network Training**

Our **CCNA** (Cisco Certified Network Professional) passport teaches the full range of CCNA topics supporting the required exams. The revised CCNA consists of the following two courses

ICND (Part 1)

The ICND Part 1 course prepares the delegate for **CCENT certification**.

ICND (Part 2)

The ICND Parts 1 and 2 combined prepare the delegate for **CCNA certification**.

ICND (Part 1)

This course provides the information needed for CCENT certification using live equipment in practicals to re-enforce theory. Combined with ICND part 2 this course prepares delegates for CCNA certification.

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ICND (Part 1) focuses on providing the skills and knowledge necessary to install, operate, and troubleshoot a small branch office networks including configuring a switch, a router, and connecting to a WAN and implementing network security.

- Live equipment used in practicals
- **12 months post course support**
- **All exam Topics covered**
- **All delegates have their own switch and router located on their desk in the training room**

Course Pre-Requisites

Delegates are required to meet the following prerequisites:

- There are no pre-requisites for this course

Course	Course Objectives	Content
ICND (Part 1) This course forms part of the following Cisco certifications: CCENT CCNA Duration: 4 days Certification Required topics are covered for the Cisco exam 640-822 ICND1 Location Slough Client Site	Upon completion of this course, the delegate will be able to: • Describe how networks function, identifying major components, function of network components and the Open System Interconnection (OSI) reference model • Using the host-to-host packet delivery process, describe issues related to increasing traffic on an Ethernet LAN and identify switched LAN technology solutions to Ethernet networking issues • Describe the reasons for extending the reach of a LAN and the methods that can be used with a focus on RF wireless access • Describe the reasons for connecting networks with routers and how routed networks transmit data through networks using TCP/IP • Describe the function of Wide Area Networks (WANs), the major devices of WANs, and configure PPP encapsulation, static and dynamic routing, PAT and RIP routing • Use the command-line interface to discover neighbours on the network and managing the router's startup and configuration	• Understanding both OSI and TCP/IP models • Understanding Shared Ethernet, modern Switched networks and surrounding issues • Explore the packet delivery process using network Analysers • Use Common Network Applications • Foundation Configuration of both Cisco Switches and Routers • Subnetting both on and off Octet subnet masks • Configure both IP static and Dynamic Routing • Utilise Cisco's SDM to configure the router for both DHCP and NAT • Understanding WAN technologies and enable an Internet Connection • Managing the Cisco IOS file System • Troubleshooting tools (ipconfig, ping, CDP, tracert, show and debug) • Understanding and Exploring Wireless (WLAN) Configuration and Security

ICND (Part 2)

This course combined with ICND (Part 1) provides the information needed for CCNA certification, including comprehensive hands-on reinforcement to provide real world skills.

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ICND (Part 2) is designed for delegates with a firm background in data networking, that have hands-on experience with Cisco routers and switches and are looking to increase their knowledge of installing, maintaining, and troubleshooting medium-sized switched and routed networks.

- **Live equipment used in practicals**
- **12 months post course support**
- **All exam Topics covered**
- **All delegates have their own switch and router located on their desk in the training room**

Course Pre-Requisites

Delegates are required to meet the following prerequisites:

- ICND (Part 1) or equivalent knowledge

Course	Course Objectives	Course Content
ICND (Part 2) This course forms part of the following Cisco certifications: CCNA Duration: 4 days Certification Required topics are covered for the Cisco exams 640-816 ICND2 640-802 CCNA Location Slough Client Site	Upon completion of this course, the delegate will be able to: • 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 • Understand Concepts of VLANs and trunking • Implement 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 • Understand IPv6 addressing • Configure and Troubleshoot Frame Relay operation • Understand the befits and impact of VPN's	• Small Network Implementation practical • Scaling Switched networks utilising VTP, RSTP, VLAN's, and 802.1q • Inter-vlan routing utilising virtual router interfaces • Improving Network Security • Create and implement VLSM network • Understand, Configure and troubleshoot OSPF in a single area • Understand, Configure and troubleshoot EIGRP • Configure concurrent IPv4 and IPv6 addressing • Configure and troubleshoot access lists • Configure PPP, CHAP, and PAP • Implement and troubleshoot a Frame Relay Network