

Routing and Switching Fundamentals

Part 2 - ICND

If you want to take your IT skills to the next level and prove you've got what it takes, this course is your logical next step from Part 1 CCENT.

You'll learn how to work with point-to-point connections and frame relay, together with how to configure and troubleshoot VLAN and interswitch communications.

What's more, you'll learn how to tackle working with various routing methods and use trace methods to understand all of the various implementations available to you. The final part of the course focuses on the security aspect and how to protect your networks.

On completion of this course, you will receive a Pitman Training Course Completion certificate*.

Designed for

The course is designed to give you all the knowledge that you need to go on to become a Cisco Certified Entry Networking Technician.

Aims and Objectives

Routing and Switching Fundamentals Part 2 ICND - Interconnecting Cisco Networking Devices is designed to get you ready to take your Cisco ICND 640-816 exam*.

Course Content

Session 1: Introduction, VLAN and Trunking, VLAN Trunking Protocol, Configuring and Verifying VLANs, Configuring VLAN Trunking, Configuring and Verifying VTP, Troubleshooting VTP, Implementing Switch Security.

Session 2: Spanning Tree Protocol Enhancements, Rapid STP, Per-VLAN Spanning Tree Plus, VLSM and Route Summarisation, Manual Route Summarisation, Autosummarisation, Running IPv6, Technological Requirements for IPv6, Resolving IP Addressing Problems.

Session 3: Routing Protocols, Open Shortest Path First, Enhanced IGRP, Verifying Connectivity, Troubleshooting Routing, Implementing Basic Router Security.

* Please note that Vendor specific exams may need to be organised separately.

Session 4: Access Control Lists, Configuring ACLs, Monitoring ACL Configuration, Access List Troubleshooting, Network Address Translation, Fundamentals of Frame Relay, Point-to-Point Protocol, Virtual Private Networks, WAN Implementation Issues.

Benefits

- The flexibility and value of a self-study course designed to enable you to work at your own pace
- The opportunity to gain the widely recognised Pitman Training Certificate
- Gain a competitive edge with the Cisco ICND exam.
- Increased earning potential
- Courses meet the requirements to pass 640-816 ICND2®.

Course duration: 10 hours



The CPD Standards Office

CPD PROVIDER: 21121
2014 - 2016
www.cpdstandards.com



Make sure this course is right for you - have a friendly chat with a Course Adviser, arrange to drop in to have a FREE taster or book a place...

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- ▶ MOS & ECDL
- ▶ Sage
- ▶ IT Professional
- ▶ Keyboard Skills
- ▶ Management Skills
- ▶ Secretarial & PA
- ▶ Administration
- ▶ Personal Development
- ▶ Shorthand
- ▶ Bookkeeping & Accounts