

## CI – CCNA

### CCNA Bootcamp combines both ICND1 and ICND2 training



#### Summary

##### Duration

5 Days

##### Vendor

Cisco

##### Category

Routing / CCNA

#### Introduction

CCNA Boot Camp is based on the Cisco authorized ICND-1 (5-day) and ICND-2 (5-day) courses and is intended for those who are seeking to achieve their CCNA certification in the shortest possible time in the classroom.

#### Prerequisites

Our CCNA Boot Camp is an intensive programme that requires candidates to meet these specific prerequisites:

You should have an understanding of networking topics such as:

- TCP/IP
- The configuration of IP on end systems and Cisco devices
- Subnetting
- Routing using static & dynamic routing protocols
- Routing vs. Switching
- Basic Cisco Router and Switch configuration

#### Course Objectives

Upon completion of this course, you should be able to:

- Describe how networks function, identifying major components, function of network components and the Open System Interconnection (OSI) reference model.
- Describes the reasons for connecting networks with routers and how routed networks transmit data through networks using TCP / IP.
- Use 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.
- Describes 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 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 start-up and configuration.

- Expand the switched network from a small LAN to a medium-sized LAN with multiple switches, supporting VLANs, trunking, and spanning tree.
- 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.

### **Associated Certifications & Exams**

To achieve the CCNA certification delegates have the option of completing the following exam/s:

#### Option 1:

The 640-822 Interconnecting Cisco Networking Devices Part 1 (ICND1) is the exam associated with the Cisco Certified Entry Network Technician (CCENT) certification and a tangible first step in achieving the Cisco Certified Network Associate (CCNA) certification.

And,

The 640-816 Interconnecting Cisco Networking Devices Part 2 (ICND2) is the exam associated with the Cisco Certified Network Associate certification.

#### Option 2:

The 640-802 Cisco Certified Network Associate (CCNA) is the composite exam associated with the Cisco Certified Network Associate certification.

On successful completion of this course students will receive a Torque IT attendance certificate.