



# Product Quick Reference Guide

[CCNA Fast Track]

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## Course Overview

<b>Course Name</b>	CCNA Fast Track
<b>Course Objective</b>	The CCNA exam is the qualifying exam available to candidates pursuing a single-exam option for the Cisco Certified Network Associate CCNA certification. The CCNA (640-801) exam will test materials from the new Interconnection Cisco Network Devices (ICND) course as well as the new Introduction to Cisco Networking Technologies (INTRO) course. The exam will certify that the successful candidate has important knowledge and skills necessary to select, connect, configure, and troubleshoot the various Cisco networking devices. The exam covers topics on Extending Switched Networks with VLANs, Determining IP Routes, Managing IP traffic with Access Lists, Establishing Point-to-Point connections, and Establishing Frame Relay Connections.
<b>Course Category</b>	System Administration and Networking
<b>Level</b>	Advanced Level
<b>Language</b>	English
<b>Versions Offered</b>	Nil
<b>Pre-Requisite (if any)</b>	A+ and/or Network+ Certification
<b>Progression Course</b>	Nil
<b>Target Audience</b>	Executives/ Technicians/ System Administrators/ System Engineers
<b>Certification / Exam</b>	Cisco Certified Network Associate Exam (640-801)
<b>Duration</b>	35 Hours
<b>Pricing</b>	<p>Non-union member Fee = \$1,600<sup>#</sup></p> <p>Union member Fee = \$1,500<sup>#</sup></p> <p>Exam Fee = \$258<sup>#</sup></p> <p><sup>#</sup> Course fee before CITREP funding, terms &amp; conditions apply</p> <p>NB : The above fees are before 5% GST</p>
<b>Funding Scheme</b>	CITREP
<b>Class Size</b>	10-15 paxs

## Course Content & Purpose Explained

<b>Topic Covered</b>	<b>Usage / Purpose</b>
<b>Planning &amp; Designing</b>	<ul style="list-style-type: none"> <li>• Design a simple LAN using Cisco Technology</li> <li>• Design an IP addressing scheme to meet design requirements</li> <li>• Select an appropriate routing protocol based on user requirements</li> <li>• Design a simple internetwork using Cisco technology</li> <li>• Develop an access list to meet user specifications</li> <li>• Choose WAN services to meet customer requirements</li> </ul>
<b>Implementation &amp; Operation</b>	<ul style="list-style-type: none"> <li>• Configure routing protocols given user requirements</li> <li>• Configure IP addresses, subnet masks, and gateway addresses on routers and hosts</li> <li>• Configure a router for additional administrative functionality</li> <li>• Configure a switch with VLANs and inter-switch communication</li> <li>• Implement a LAN</li> <li>• Customize a switch configuration to meet specified network requirements</li> <li>• Manage system image and device configuration files</li> <li>• Perform an initial configuration on a router</li> <li>• Perform an initial configuration on a switch</li> <li>• Implement access lists</li> <li>• Implement simple WAN protocols</li> </ul>
<b>Troubleshooting</b>	<ul style="list-style-type: none"> <li>• Utilize the OSI model as a guide for systematic network troubleshooting</li> <li>• Perform LAN and VLAN troubleshooting</li> <li>• Troubleshoot routing protocols</li> <li>• Troubleshoot IP addressing and host configuration</li> <li>• Troubleshoot a device as part of a working network</li> <li>• Troubleshoot an access list</li> <li>• Perform simple WAN troubleshooting</li> </ul>
<b>Technology</b>	<ul style="list-style-type: none"> <li>• Describe network communications using layered models</li> <li>• Describe the Spanning Tree process</li> <li>• Compare and contrast key characteristics of LAN environments</li> <li>• Evaluate the characteristics of routing protocols</li> <li>• Evaluate TCP/IP communication process and its associated protocols</li> <li>• Describe the components of network devices</li> <li>• Evaluate rules for packet control</li> <li>• Evaluate key characteristics of WANs</li> </ul>

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## Frequently Asked Questions (FAQs)

<i>Question</i>	<i>Answer</i>
<b>Do I need to recertify after a certain period of time?</b>	CCNA certifications are valid for three years. To recertify, either pass the current CCNA exam, or pass the ICND exam, or pass any 642 professional level or Cisco Qualified Specialist exam (excluding Sales Specialist exams), or pass a CCIE written exam on or after October 1, 2004.
<b>Is Cisco Products very popular with the market?</b>	Cisco Products are responsible for around 70% of the network switching market.
<b>What kind of job can I look for after attaining the Certification?</b>	CCNA certified professionals can install, configure, and operate LAN, WAN, and dial access services for small networks (100 nodes or fewer), including but not limited to use of these protocols: IP, IGRP, Serial, Frame Relay, IP RIP, VLANs, RIP, Ethernet, Access Lists.