



IT GATE ACADEMY

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MSSIT

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IT Essential

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+
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Networking
Fundamentals

20Hr.

LINUX
FUNDAMENTALS

30 Hr.



Free Cisco Exam 640-802

Cisco

Certified Network Associate

280 Hr.



Overview:

The Cisco CCNA Exploration curriculum provides an integrated and comprehensive Coverage of networking topics, from fundamentals to advanced applications And services, while providing opportunities for hands-on practical experience And soft-skills development. The curriculum teaches networking based on technology Covering networking concepts using a top-down, theoretical, and integrated approach From network applications to the network protocols and services provided to those Applications by the lower layers of the network

Prerequisites:

There are no pre-requisites for this course

Target Audience

CCNA Exploration is designed for both :

■ Students with advanced problem solving and analytical skills. The curriculum offers a comprehensive and theoretical learning experience for analytical students, and uses language that aligns well with engineering concepts. Interactive activities are embedded in the curriculum, along with detailed, theoretical content. Advanced labs build critical thinking and problem solving skills and encourage exploration and research.

System Engineers who will install, operate and troubleshoot a small to medium-sized branch office Enterprise network

Careers

- Network administrator
- Network engineer
- Network installer

Objectives:

Here are some examples of the skills students will be able to perform after completing each course:

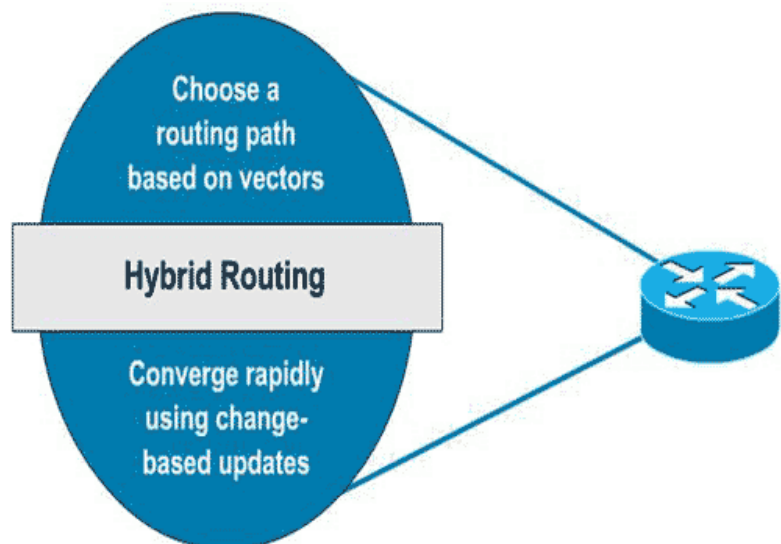
Network Fundamentals

- Use network protocol models to explain the layers of communications in data networks
- Design, calculate, and apply subnet masks and addresses
- Build a simple Ethernet network using routers and switches
- Employ basic cabling and network designs to connect devices



Routing Protocols and Concepts

- Configure and verify router interfaces
- Demonstrate comprehensive RIPv1 configuration skills
- Design and implement a classless IP addressing scheme for a network
- Use advanced configuration commands with routers implementing EIGRP
- Use Cisco CLI commands to perform basic router and switch configuration and verification
- Identify the characteristics of distance vector routing protocols



LAN Switching and Wireless

- Troubleshoot common network problems at Layers 1, 2, 3, and 7 using a layered model approach
- Perform and verify initial switch configuration tasks including remote access management
- Configure, verify, and troubleshoot VLANs, interVLAN routing, VTP, trunking on Cisco switches, and RSTP operation
- Manage IOS configuration files
- Identify the basic parameters to configure a wireless network and common implementation issues



Accessing the WAN

- Describe the impact of applications (Voice Over IP and Video Over IP) on a network
- Configure, verify, and troubleshoot DHCP and DNS operation on a router
- Verify, monitor, and troubleshoot ACLs in a network environment
- Configure and verify a basic WAN serial connection, a PPP connection between Cisco routers, and Frame Relay
- Configure and verify a PPP connection between Cisco routers, and Frame Relay on Cisco routers
- Troubleshoot WAN implementation issues



Overview:

The Cisco Networking Academy® IT Essentials: PC Hardware and Software curriculum provides an introduction to the computer hardware and software skills needed to help meet the growing demand for entry-level ICT professionals. The curriculum covers the fundamentals of PC computer technology, networking, and security, and also provides an introduction to advanced concepts. IT Essentials: PC Hardware and Software is a hands-on, career-oriented e-learning solution with an emphasis on practical experience to help students develop fundamental computer skills, along with essential career skills. The Cisco® IT Essentials curriculum helps students prepare for entry-level ICT career opportunities and the CompTIA A+ certification, which helps students differentiate themselves in the marketplace to advance their careers.

Prerequisites:

There are no pre-requisites for this course

Target Audience

- Students seeking career-oriented, entry-level computer hardware, software, and networking skills
- Students who want to gain fundamental PC hardware, software, and troubleshooting skills

Careers

- Enterprise technician
- IT administrator
- IT administrator
- Field service technician
- Call center technician
- help desk technician
- PC or support technician.

Objectives:

Here are some examples of the skills students will be able to perform after completing each course:

IT Essentials: PC Hardware and Software provides a comprehensive introduction to the ICT industry and interactive, hands-on exposure to personal computers, hardware, software, and operating systems. The curriculum offers the following features and benefits:

- Students develop working knowledge of how computers operate, how to assemble computers, and how to troubleshoot hardware and software issues
- Hands-on labs and virtual learning tools help students develop critical thinking and complex problem-solving skills
- The course emphasizes the practical application of skills and procedures needed for hardware and software installations, upgrades, and troubleshooting systems
- Cisco Packet Tracer simulation-based learning activities promote the exploration of networking and network security concepts and allow students to experiment with network behavior

Overview

This course is appropriate for anyone new to networking and looking to learn the basics, as well as anyone wanting to brush up on a particular topic.

Have you ever wondered how networks work? How two computers communicate? How the Internet works? This course explains these concepts, starting with the basic building blocks of networks, and how Ethernet Local Area Networks (LANs) operate. We discuss IP addressing and subnetting, and how data gets routed from one LAN to another using various Wide Area Networking (WAN) technologies.



Prerequisites:

There are no pre-requisites for this course

Target Audience

Students interested in an in depth look at Network Operating Systems and an introduction to Networking

Objectives:

- What is a network?
- Routing basics
- WAN technologies
- Ethernet LANs
- IP addressing
- Transport Layer protocols



Overview

Novell offers industry-leading certifications and tests that are globally recognized. Employers are increasingly requiring tangible proof that you have the knowledge it takes to perform your job. Achieving a Novell certification is simple and provides that extra edge for those already succeeding in the IT industry.



Prerequisites:

There are no pre-requisites for this course

Target Audience

Network Operating Systems and an introduction to Networking

Objectives:

- Understand the Linux Story
- Use the Linux Desktop
- Administer Linux with YaST
- Locate and Use Help Resources
- Manage Directories and Files
- Work with the Linux Shell and Command Line
- Use Linux Text Editors
- Manage Users, Groups, and Permissions
- Use the KDE Desktop Environment
- Network Components and Architecture



Request rules:

- Not less than 18 years and not greater than 35 years
- Pass all exams
- All education certificates are required

Required papers

- ID photo copy
- Last certificate photo copy
- Two personal photo
- Culicalam viate (Optional)

Features and Benefits

- Trainee will have an international credited certificate direct from CISCO
- Trainee will have an account on CISCO website to download the most recent tools and news, and search for available Jobs
- On line test for free
- Trainee will have a special discount when buying any CISCO devices
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For more information please visit:

cisco.netacad.net

www.itgateacademy.com

http://www.cisco.com/web/learning/netacad/get_involved/BecomeAStudent.html

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