

CCNA - Cisco Certified Network Associate (640 – 802)

The essential certification to ensure you are on the right track towards achieving your successful career in Networking and IT

**Megan Avenue II, Jalan Yap
Kwan Seng, Kuala Lumpur**



Trainer Profile

DHARI KHLED ABED ALAHIT
NETWORKS PROFESSIONAL
(CCNA , CCNP , CCSP , CSVPN , CEH,
MCP , MCSA , MCSE)

Participant can claim the course fee from HRDF fund which under the SBL scheme

Introduction

CCNA certification validates the knowledge and skills required to install, operate and troubleshoot a small to medium-sized routed and switched network, including the ability to implement and troubleshoot protocols to manage addressing and authentication, as well as establish and troubleshoot connections to service providers over a WAN .

RM2,500.00 only

Education, Training & Certifications

Cisco Certification Security Professional (CCSP)
Cisco Firewall Specialist
Cisco Security Router & Switches Specialist
Cisco Information Security Specialist
Cisco IPS Specialist , Cisco IOS Specialist
Cisco VPN Specialist ,c4011 Recognition
4013 Recognition, CEH

- 2002 Mansour University College
Baghdad - Iraq
- 1-Jun-2006 CCNA - Cisco Certified Network
Associate. (Cisco ID CSC011056776)
- 27-July-2007 SND - Cisco Security
Networks devise . (Cisco ID CSC011056776)
- 31-June-2007 CSVPN - Cisco Certified
Secure Virtue Private Networks .
- 21-Mar-2007 SNPA - Cisco Certified
Securing Networks with PIX and ASA. (SNPA)
- 29-August-2007 Cisco Intrusion Prevention
System (IPS)
- 21-August-2005 Microsoft Certified System
Engineer (MCSE)
- 22-October-2007 Certified Ethical Hacker (CEH)

Organized by:

Mindasys

(Minda Group of Companies)

Suite 33.01, 33rd Floor

Menara Keck Seng,

203, Jalan Bukit Bintang , 55100 Kuala Lumpur.

Register Now

Sales: Zahari 013 333 9798, 03 - 2116 5778

Fax: 03 - 2116 5999

Email: zahari@mindasys.com.my

Website: www.mindasys.com.my

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Program Content

Salary of Network Engineer with CCNA Certification; \$50,879 - \$75,081
- payscale.com (3 Jan 2011)

Describe how a network works

- Describe the purpose and functions of various network devices
- Select the components required to meet a network specification
- Use the OSI and TCP/IP models and their associated protocols to explain how data flows in a network
- Describe common networked applications including web applications
- Describe the purpose and basic operation of the protocols in the OSI and TCP models
- Describe the impact of applications (Voice Over IP and Video Over IP) on a network
- Interpret network diagrams
- Determine the path between two hosts across a network
- Describe the components required for network and Internet communications
- Identify and correct common network problems at layers 1, 2, 3 and 7 using a layered model approach
- Differentiate between LAN/WAN operation and features

Configure, verify and troubleshoot a switch with VLANs and interswitch communications

- Select the appropriate media, cables, ports, and connectors to connect switches to other network devices and hosts
- Explain the technology and media access control method for Ethernet networks
- Explain network segmentation and basic traffic management concepts
- Explain basic switching concepts and the operation of Cisco switches

Configure, verify and troubleshoot a switch with VLANs and interswitch communications - cont'd

- Perform and verify initial switch configuration tasks including remote access management
- Verify network status and switch operation using basic utilities (including: ping, traceroute, telnet, SSH, arp, ipconfig), SHOW & DEBUG commands
- Identify, prescribe, and resolve common switched network media issues, configuration issues, auto negotiation, and switch hardware failures
- Describe enhanced switching technologies (including: VTP, RSTP, VLAN, PVSTP, 802.1q)
- Describe how VLANs create logically separate networks and the need for routing between them
- Configure, verify, and troubleshoot VLANs
- Configure, verify, and troubleshoot trunking on Cisco switches
- Configure, verify, and troubleshoot interVLAN routing
- Configure, verify, and troubleshoot VTP
- Configure, verify, and troubleshoot RSTP operation
- Interpret the output of various show and debug commands to verify the operational status of a Cisco switched network.
- Implement basic switch security (including: port security, trunk access, management vlan other than vlan1, etc.)

Implement an IP addressing scheme and IP Services to meet network requirements in a medium-size Enterprise branch office network

- Describe the operation and benefits of using private and public IP addressing
- Explain the operation and benefits of using DHCP and DNS

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Program Content

Salary of Sr. Network Engineer with CCNA Certification; \$72,212 - \$97,856
- payscale.com (3 Jan 2011)

Implement an IP addressing scheme and IP Services to meet network requirements in a medium-size Enterprise branch office network - cont'd

- Configure, verify and troubleshoot DHCP and DNS operation on a router.(including: CLI/SDM)
 - Implement static and dynamic addressing services for hosts in a LAN environment
 - Calculate and apply an addressing scheme including VLSM IP addressing design to a network
 - Determine the appropriate classless addressing scheme using VLSM and summarization to satisfy addressing requirements in a LAN/WAN environment
 - Describe the technological requirements for running IPv6 in conjunction with IPv4 (including: protocols, dual stack, tunneling, etc).
 - Describe IPv6 addresses
- Identify and correct common problems associated with IP addressing and host configurations

Configure, verify, and troubleshoot basic router operation and routing on Cisco devices

- Describe basic routing concepts (including: packet forwarding, router lookup process)
- Describe the operation of Cisco routers (including: router bootup process, POST, router components)
- Select the appropriate media, cables, ports, and connectors to connect routers to other network devices and hosts
- Configure, verify, and troubleshoot RIPv2
- Access and utilize the router to set basic parameters.(including: CLI/SDM)
- Connect, configure, and verify operation status of a device interface
- Verify device configuration and network connectivity using ping, traceroute, telnet, SSH or other utilities

Configure, verify, and troubleshoot basic router operation and routing on Cisco devices - cont'd

- Perform and verify routing configuration tasks for a static or default route given specific routing requirements
 - Manage IOS configuration files. (including: save, edit, upgrade, restore)
 - Manage Cisco IOS.
 - Compare and contrast methods of routing and routing protocols
 - Configure, verify, and troubleshoot OSPF
 - Configure, verify, and troubleshoot EIGRP
 - Verify network connectivity (including: using ping, traceroute, and telnet or SSH)
 - Troubleshoot routing issues
 - Verify router hardware and software operation using SHOW & DEBUG commands.
- Implement basic router security

Explain and select the appropriate administrative tasks required for a WLAN

- Describe standards associated with wireless media (including: IEEE WI-FI Alliance, ITU/FCC)
- Identify and describe the purpose of the components in a small wireless network. (Including: SSID, BSS, ESS)
- Identify the basic parameters to configure on a wireless network to ensure that devices connect to the correct access point
- Compare and contrast wireless security features and capabilities of WPA security (including: open, WEP, WPA-1/2)
- Identify common issues with implementing wireless networks. (Including: Interface, Miss configuration)

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Identify security threats to a network and describe general methods to mitigate those threats

- Describe today's increasing network security threats and explain the need to implement a comprehensive security policy to mitigate the threats
- Explain general methods to mitigate common security threats to network devices, hosts, and applications
- Describe the functions of common security appliances and applications
- Describe security recommended practices including initial steps to secure network devices

Implement, verify, and troubleshoot NAT and ACLs in a medium-size Enterprise branch office network.

- Describe the purpose and types of ACLs
- Configure and apply ACLs based on network filtering requirements.(including: CLI/SDM)
- Configure and apply an ACLs to limit telnet and SSH access to the router using (including: SDM/CLI)
- Verify and monitor ACLs in a network environment
- Troubleshoot ACL issues
- Explain the basic operation of NAT
- Configure NAT for given network requirements using (including: CLI/SDM)
- Troubleshoot NAT issues

Implement and verify WAN links

- Describe different methods for connecting to a WAN
- Configure and verify a basic WAN serial connection
- Configure and verify Frame Relay on Cisco routers
- Troubleshoot WAN implementation issues
- Describe VPN technology (including: importance, benefits, role, impact, components)
- Configure and verify a PPP connection between Cisco routers

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Megan Avenue II, Kuala Lumpur

Registration Form

Sales: Zahari Sharit

Tel: 03 - 2116 5778, 013 - 333 9798

Please fill up this form and **fax to: 03 - 2116 5999**, Minda Group of companies or scan and email to info@peopleknowledge.com.my

COMPANY DETAILS

Name:	Industry:
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Address:	
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Tel:	Fax:
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Website:	
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ATTENDEE DETAILS

Name:	Job Title:
.....
Tel:	Email:
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Name:	Job Title:
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Tel:	Email:
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Name:	Job Title:
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Tel:	Email:
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APPROVAL

Signatory must be authorized on behalf of the contracting organization

Name:	Job Title:
.....
Tel:	Email:
.....
Authorizing signature	
.....	

PAYMENT DETAILS

Payment can be made via cheque or bank transfer to:

Mindacom Technology Sdn Bhd

Bank: Malayan Banking Berhad

Account No: 5120 2601 1587

OR

CS HRM Services

Bank: CIMB Bank Bhd (NS0025130-X)

Account No: 1241 00000 89102

* CS HRM Services is PSMB Class A Training provider.

TERMS & CONDITIONS

1. The course fees are inclusive training materials and refreshments.
2. Payment is required within 5 working days upon completion and returned of the registration form. Only delegate has made full payment is allowed to enter the training.
3. You may pay via credit card, cheque, or bank transfer. We do not accept cash, cheque during the event.
4. If what ever reason the delegate cannot come for the training, they are allowed to replace in their place. Cancellation must be put on writing to us within 14 days of the event. We will issue credit voucher once we receive your letter , this credit voucher can be used in our future training. No refund policy is established.
5. We at all the time take necessary efforts to ensure the event as per scheduled, however we reserve the right to postpone, cancel or move a venue without penalty or refund. We will not be liable for client's airfare, hotels cost or any travel expenses incurred.

PROGRAM FEE

Individual: **RM2500.00 per person**

Group: **RM2250.00 per person**

Note:

- Group is referred to 2 or more delegates
- We have limited seats for this program. It is first come first serve basis. Please register to secure your seat now.