



HEROTEC

NETWORK PROFESSIONAL TRAINING

Implementing Cisco IP Switched Networks (SWITCH) 2.0

Related Certificate	CCNP Certification
Course ID	Switch v2.0
Related Exams	300-115 SWITCH
Audience	IT Professional
Hours	40

Overview:

SWITCH v2.0, 5 day ILT, includes major updates and follows an updated blueprint. However, note that this course does not cover all items listed on the blueprint. Some older topics have been removed or simplified, while several new IPv6 routing topics have been added. Course content has been adapted to Cisco IOS Software Release 15 and technically updated. Course also introduces new type of labs, called discovery labs. Discovery labs are instructor guided lab through which student explores new topics in an interactive way. All labs are developed only as virtual labs. To get the full course experience, you should cover everything, including Introduction, Discovery labs, Summary, and Module Self-Check.

Objectives:

- Describe the hierarchical campus structure, basic switch operation, use of SDM templates, PoE, and LLDP
- Implement VLANs, trunks, explain VTP, implement DHCP in IPv4 and IPv6 environment, and configure port aggregation
- Implement and optimize STP mechanism that best suits your network - PVSTP+, RPVSTP+, or MSTP
- Configure routing on a multilayer switch
- Configure NTP, SNMP, IP SLA, port mirroring, and verify StackWise and VSS operation
- Implement First Hop redundancy in IPv4 and IPv6 environments
- Secure campus network according to recommended practices

Outlines:

- Analyzing Campus Network Designs
- Implement VLAN based solution, given a network design and a set of requirements
- Implementing VLANs in Campus Networks
- Implement a Security Extension of a Layer 2 solution, given a network design and a set of requirements
- Implementing Spanning Tree
- Implement Switch based Layer 3 services, given a network design and a set of requirements
- Implementing Inter-VLAN Routing
- Prepare infrastructure to support advanced services
- Implementing First Hop Redundancy in a Campus Environment
- Implement High Availability, given a network design and a set of requirements
- Implementing a Highly Available Network
- Minimizing Service Loss and Data Theft in a Campus Network
- Integrating Wireless LANs into a Campus Network
- Accommodating Voice and Video in Campus Networks

Contacts:

Address:

93 Mostafa Elnahas,
Nasr City, Cairo, Egypt.

Phone Numbers:

Landline: 002 26709916 -002 26709961
002 26706671 – 002 26706673

Fax: 002 26709957

General: 002 01064010004 - 002 01288884307

E-mail:

info@herotec.net

Corporate@herotec.net

www.herotec.net