

Network security

Network Security validates associate-level knowledge and skills required to secure networks. With a Network Security certification, a network professional demonstrates the skills required to develop a security infrastructure, recognize threats and vulnerabilities to networks, and mitigate security threats. The Network Security curriculum emphasizes core security technologies, the installation, troubleshooting and monitoring of network devices to maintain integrity, confidentiality and availability of data and devices, and competency in the technologies that is being used in its security structure

Why Network Security?

In the field of networking, the specialist area of network security consists of the provisions made in an underlying computer network infrastructure, policies adopted by the network administrator to protect the network and the network-accessible resources from unauthorized access, and consistent and continuous monitoring and measurement of its effectiveness (or lack) combined together.

Why Amitec ?

- Course content /instructional model Internationally approved
- Cost Effective solution
- High Speed Links upto 1Gbps
- Vendor Neutral Emphasis
- Covers full range of technologies
- Support for IPV6
- 60 different Lab Combinations
- Learning by doing Philosophy, Real Hands-on, 2 students per system
- Reputed public ltd company exporting to 30 countries, bringing real situations to class room
- Industry experts reviewed training material

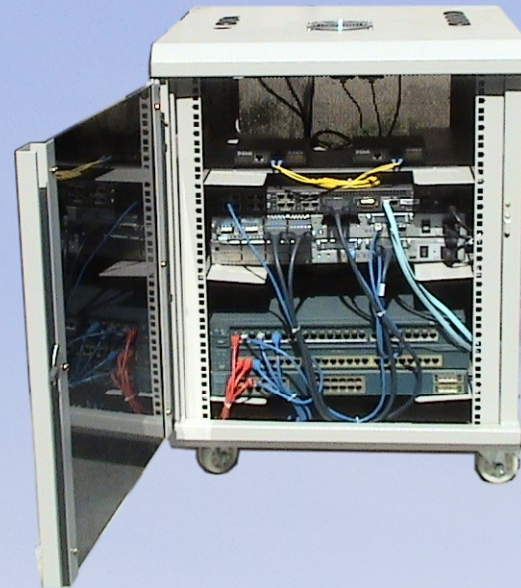
Description:

The laboratory supports all the features to pass network security associate exams. The routers support IOS 12.4, IPv6 and SDM. Included is a router with dual 100Mb Ethernet, for use as a Cable/DSL Router. The routers can be used in different ways and will support IPv6. A Layer 3 switch provided can do routing just like a router too.

The Self Study Lab Workbook describes 37 different lab combinations. Exam Test Engine is provided with over 500 different questions. Also test tips, the IOS on CD, TFTP Server and other prep material is offered. An exam cram sheet six page, full color, laminated foldout is a great addition to study arsenal. Computer Based Training tutorials are provided comprising 44 videos with over 22 hours covering all exam topics. TCP/IP Study Poster is bundled. Thus laboratory is comprehensive in all respects.

Area of experiment and scope of study

- Describe the security threats facing modern network infrastructures
- Secure routers
- Implement AAA on routers using local router database and external ACS
- Mitigate threats to routers and networks using ACLs
- Implement secure network management and reporting



- Mitigate common Layer 2 attacks
- Implement the IOS firewall feature set using SDM
- Implement the IOS IPS feature set using SDM
- Implement site-to-site VPNs on Routers using SDM

Lab Prerequisite

2 pcs running Win XP, Students with knowledge of basic Networking and PC usage skills.

Technical Specifications

- Routers** - 1 nos of 256MB DRAM/48MB Flash Dual 100MB Ethernet Router for IOS 12.4, IPv6, SDM, 2-WIC, 1-NM
2 nos of Dual Ethernet 128MB DRAM/32 MB Flash Router support IOS 12.4, IPv6 & SDM, 2-WAN, 1-NM
- Switches** - 1 nos of Catalyst 100MB Switch supporting Enterprise 12.0.05 with 24 RJ45 100MB Ethernet ports
- Modules** - 1 nos NM-4A/S Serial Module
1 nos WIC-1T Serial Module
- Cables** - 4 Power cable
4 nos of Back to back cables
2 nos of console cable kit
5 nos of Ethernet patch cables
4 nos- Ethernet Crossover Cable
- Racks** - 1 nos of Study Racks

Additional Items Include

CCNA Security Lab Workbook, CCNA Lab Workbook, CCNA CRAM Sheet, CCNA Study Poster, 12.3.24 IOS on CD, CCENT Test Engine, ICND1 & 2 Test Engine, CCNA Test Engine, BSCI Test Engine, BCMSN Test Engine, ISCW Test Engine, ONT Test Engine, 50+ articles covering Test concepts TFTP Server, Subnet Calculator Trial Tool, Port Scanner Trial Tool, Password Recovery Trial Tool, CCNP Pix Firewall & IDS Trial Tools
CCNP IOS Configuration Trial Tools, CCNP Router & Switch Simulator Trial Tools, CCNP Network Design Trial Tool, CCNP VOIP Packet Sniffer Trial Tool

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