Course Name: Network Server Administration

GSL NSA Part-I	Implementing Cisco IOS Network Security
ELEMENT	**COVERAGE**
Secure Cisco routers	Secure Cisco routers using the SDM Security Audit feature
Implement AAA on Cisco routers using local router database and external ACS	Explain the functions and importance of AAA
Mitigate threats to Cisco routers and networks using ACLs	Explain the functionality of standard, extended, and named IP Access Control List used by routers to filter packets
Implement secure network management and reporting	Describe how to prevent layer 2 attacks by configuring basic Catalyst switch security features
Mitigate Common Layer 2 attacks	Describe the operational strengths and weaknesses of the different firewall technologies Explain stateful firewall operations and the function of the state table
Implement the Cisco IOS firewall feature set using SDM	Define network based vs. host based intrusion detection and prevention Explain IPS technologies, attack responses, and monitoring options
Implement the Cisco IOS IPS feature set using SDM	Explain the different methods used in cryptography Explain IKE protocol functionality and phases
Implement site-to-site VPNs on Cisco Routers using SDM	The following course is the recommended training for this exam:
Recommended Training The following course is th	Implementing Cisco IOS Network Security (IINS)

GSL NSA Part-II	Linux Enterprise System Administration
ELEMENT	**COVERAGE**
Configure YUM	Configure YUM Server and Client
Domain Name System	Configure DNS Server
Secure Shell	Configure SSH Server
Network File System	Configure NFS Server
File Transfer Protocol	Configure FTP Server
Configure Apache Server	Configure Web Server
Configure Database Server	Configure Database Server: MSQL/MaraiaDB
PHP MyAdmin	Configure phpMyAdmin
Mail Server: Postfix	Configure Mail Server: Postfix, Dovecot
Webmail Server: Squaremail / Roundcube	Configure web mail server: squaremail, roundcube
Mail Server: zimbra	Configure Zimbra Mail Server

GSL NSA Part-III	MikroTik Firewall Administration
ELEMENT	**COVERAGE**
Install	Install MikroTik OS
Network Configure	Configure Network WAN / LAN
Configure NAT	Configure NAT
Configure Firewall	Configure Firewall

Portwarding: WAN to LAN	Configure Port Forwarding
DHCP	Configure DHCP Server Configure MAC binding
Site Restriction	Configure Site Blocking
Bandwidth Management	Configure Bandwidth Restriction