



300-206

Implementing Cisco Edge Network Security Solutions

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SUCCESS GUIDE TO CISCO CERTIFICATION

Exam Summary – Syllabus – Questions

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Introduction to 300-206 Exam on Implementing Cisco Edge Network Security Solutions

A great way to start the Cisco Certified Network Professional Security (SESS) preparation is to begin by properly appreciating the role that syllabus and study guide play in the Cisco 300-206 certification exam. This study guide is an instrument to get you on the same page with Cisco and understand the nature of the Cisco CCNP Security exam.

Our team of experts has composed this Cisco 300-206 exam preparation guide to provide the overview about Cisco Implementing Cisco Edge Network Security Solutions exam, study material, sample questions, practice exam and ways to interpret the exam objectives to help you assess your readiness for the Cisco SESS exam by identifying prerequisite areas of knowledge. We recommend you to refer the simulation questions and practice test listed in this guide to determine what type of questions will be asked and the level of difficulty that could be tested in the Cisco CCNP Security certification exam.

Cisco 300-206 Certification Details:

Exam Name	Implementing Cisco Edge Network Security Solutions
Exam Number	300-206 SESS
Exam Price	\$300 USD
Duration	90 minutes
Number of Questions	65-75
Passing Score	Variable (750-850 / 1000 Approx.)
Recommended Training	Implementing Cisco Edge Network Security Solutions - (SESS) Implementing Cisco Edge Network Security Solutions (SESS) E-Learning Cisco CCNP Security Certification Preparation Bundle E-Learning
Exam Registration	PEARSON VUE
Sample Questions	Cisco 300-206 Sample Questions
Practice Exam	Cisco Certified Network Professional Security Practice Test

Cisco 300-206 Exam Syllabus:

Section	Weight	Objectives
Threat Defense	25%	<p>1 Implement firewall (ASA or IOS depending on which supports the implementation)</p> <ul style="list-style-type: none"> a) Implement ACLs b) Implement static/dynamic NAT/PAT c) Implement object groups d) Describe threat detection features e) Implement botnet traffic filtering f) Configure application filtering and protocol inspection g) Describe ASA security contexts <p>2 Implement Layer 2 Security</p> <ul style="list-style-type: none"> a) Configure DHCP snooping b) Describe dynamic ARP inspection c) Describe storm control d) Configure port security e) Describe common Layer 2 threats and attacks and mitigation f) Describe MACSec g) Configure IP source verification <p>3 Configure device hardening per best practices</p> <ul style="list-style-type: none"> a) Routers b) Switches c) Firewalls
Cisco Security Devices GUIs and Secured CLI Management	25%	<p>1 Implement SSHv2, HTTPS, and SNMPv3 access on the network devices</p> <p>2 Implement RBAC on the ASA/IOS using CLI and ASDM</p> <p>3 Describe Cisco Prime Infrastructure</p> <ul style="list-style-type: none"> a) Functions and use cases of Cisco Prime b) Device Management <p>4 Describe Cisco Security Manager (CSM)</p> <ul style="list-style-type: none"> a) Functions and use cases of CSM b) Device Management <p>5 Implement Device Managers</p> <ul style="list-style-type: none"> a) Implement ASA firewall features using ASDM

Section	Weight	Objectives
Management Services on Cisco Devices	12%	<p>1 Configure NetFlow exporter on Cisco Routers, Switches, and ASA</p> <p>2 Implement SNMPv3 a) Create views, groups, users, authentication, and encryption</p> <p>3 Implement logging on Cisco Routers, Switches, and ASA using Cisco best practices</p> <p>4 Implement NTP with authentication on Cisco Routers, Switches, and ASA</p> <p>5 Describe CDP, DNS, SCP, SFTP, and DHCP a) Describe security implications of using CDP on routers and switches b) Need for dnssec</p>
Troubleshooting, Monitoring and Reporting Tools	10%	<p>1 Monitor firewall using analysis of packet tracer, packet capture, and syslog a) Analyze packet tracer on the firewall using CLI/ASDM b) Configure and analyze packet capture using CLI/ASDM c) Analyze syslog events generated from ASA</p>
Threat Defense Architectures	16%	<p>1 Design a Firewall Solution a) High-availability b) Basic concepts of security zoning c) Transparent & Routed Modes d) Security Contexts</p> <p>2 Layer 2 Security Solutions a) Implement defenses against MAC, ARP, VLAN hopping, STP, and DHCP rogue attacks b) Describe best practices for implementation c) Describe how PVLANS can be used to segregate network traffic at Layer 2</p>
Security Components and Considerations	12%	<p>1 Describe security operations management architectures a) Single device manager vs. multi-device manager</p> <p>2 Describe Data Center security components and considerations a) Virtualization and Cloud security</p> <p>3 Describe Collaboration security components and considerations a) Basic ASA UC Inspection features</p>

Section	Weight	Objectives
		4 Describe common IPv6 security considerations a) Unified IPv6/IPv4 ACL on the ASA

300-206 Sample Questions:

01. Which is true regarding Cisco Secure-X architecture?

- a) It is a design guide for security deployment
- b) It is based upon an appliance based approach to network security
- c) It is a context aware access solution
- d) It is a network based solution that is context aware

02. When authenticating users when implementing the Cisco IOS Zone-Based Policy Firewall, which three methods are used by the authentication proxy feature to perform inline authentication of users traversing the firewall?

(Choose three.)

- a) HTTP
- b) FTP
- c) POP
- d) Telnet
- e) LDAP
- f) TACACS+

03. Which type of firewall best provides a rich set of application layer inspection capabilities?

- a) C3PL based
- b) MPF based
- c) Cisco IOS router
- d) Cisco ASA

04. Which two are true regarding the Cisco IOS Zone-Based Policy Firewall configuration?

(Choose two.)

- a) Inside and Outside zones are created by default when enable ZBPF feature set
- b) Communication of interfaces in the same zone is allowed by default
- c) By default, communication is not allowed between zones
- d) A single zone pair automatically defines rules to allow bi-directional communication
- e) All zones can communicate with the router's Self Zone

05. Which IOS command displays all configured static NAT or PAT translations?

- a) Show run | ip nat
- b) Show ip nat translations verbose
- c) Show ip nat translations
- d) Show ip nat statistics

06. Which feature does the Cisco ASA Identity Firewall provide?

- a) Granular access control based on a user's identity
- b) Access control based on the user's source IP address
- c) Access control based on interactive username/password credentials
- d) Access control via stand-alone Active Directory integration

07. Which three are benefits of implementing Network Time Protocol (NTP)?

(Choose three.)

- a) Logging correlation
- b) To set router or switch device time
- c) To set network devices as Stratum 0 devices
- d) Certificate validation
- e) SSO authentication

08. Which two are common AAA protocols for used when configuring a Cisco network device for management access?

(Choose two.)

- a) LDAP
- b) NTLM
- c) POP
- d) TACACS+
- e) NTP
- f) RADIUS

09. Which network device plane is responsible for traffic forwarding functions?

- a) Data Plane
- b) Control Plane
- c) Management Plane
- d) Routing Plane

10. Which type of NAT allows for different translations based on the destination IP address?

- a) Static NAT
- b) Dynamic NAT
- c) Hide NAT
- d) Policy based NAT

Answers to 300-206 Exam Questions:

Question: 01 Answer: d	Question: 02 Answer: a, b, d	Question: 03 Answer: d	Question: 04 Answer: b, d	Question: 05 Answer: c
Question: 06 Answer: a	Question: 07 Answer: a, d, e	Question: 08 Answer: d, f	Question: 09 Answer: a	Question: 10 Answer: d

sNote: If you find any typo or data entry error in these sample questions, we request you to update us by commenting on this page or write an email on feedback@nwexam.com