300-209

Implementing Cisco Secure Mobility Solutions

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SUCCESS GUIDE TO CISCO CERTIFICATION

Exam Summary – Syllabus – Questions

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Introduction to 300-209 Exam on Implementing Cisco Secure Mobility Solutions

A great way to start the Cisco Certified Network Professional Security (SIMOS) preparation is to begin by properly appreciating the role that syllabus and study guide play in the Cisco 300-209 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 300-209 exam preparation guide to provide the overview about Cisco Implementing Cisco Secure Mobility Solutions exam, study material, sample questions, practice exam and ways to interpret the exam objectives to help you assess your readiness for the Cisco SIMOS 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 300-209 Certification Details:

Exam Name	Implementing Cisco Secure Mobility Solutions
Exam Number	300-209 SIMOS
Exam Price	$300 USD
Duration	90 minutes
Number of Questions	65-75
Passing Score	Variable (750-850 / 1000 Approx.)
Recommended Training	Implementing Cisco Secure Mobility Solutions - (SIMOS)
Exam Registration	PEARSON VUE
Sample Questions	Cisco 300-209 Sample Questions
Practice Exam	**Cisco Certified Network Professional Security Practice Test**

Cisco 300-209 Exam Syllabus:

Section	Weight	Objectives
Secure Communications	32%	1 Site-to-site VPNs on routers and firewalls a) Describe GETVPN b) Implement IPsec (with IKEv1 and IKEv2 for both IPV4 & IPV6) c) Implement DMVPN (hub-Spoke and spoke-spoke on both IPV4 & IPV6) d) Implement FlexVPN (hub-Spoke on both IPV4 & IPV6) using local AAA 2 Implement remote access VPNs a) Implement AnyConnect IKEv2 VPNs on ASA and routers b) Implement AnyConnect SSLVPN on ASA and routers c) Implement clientless SSLVPN on ASA and routers d) Implement FLEX VPN on routers
Troubleshooting, Monitoring and Reporting Tools	38%	1 Troubleshoot VPN using ASDM & CLI a) Troubleshoot IPsec b) Troubleshoot DMVPN c) Troubleshoot FlexVPN d) Troubleshoot AnyConnect IKEv2 and SSL VPNs on ASA and routers e) Troubleshoot clientless SSLVPN on ASA and routers
Secure Communications Architectures	30%	1 Design site-to-site VPN solutions a) Identify functional components of GETVPN, FlexVPN, DMVPN, and IPsec b) VPN technology considerations based on functional requirements c) High availability considerations d) Identify VPN technology based on configuration output 2 Design remote access VPN solutions a) Identify functional components of FlexVPN, IPsec, and Clientless SSL b) VPN technology considerations based on functional requirements c) High availability considerations d) Identify VPN technology based on configuration output e) Identify AnyConnect client requirements f) Clientless SSL browser and client considerations/requirements g) Identify split tunneling requirements

Section	Weight	Objectives
		3 Describe encryption, hashing, and Next Generation Encryption (NGE) a) Compare and contrast Symmetric and asymmetric key algorithms b) Identify and describe the cryptographic process in VPNs – Diffie-Hellman, IPsec – ESP, AH, IKEv1, IKEv2, hashing algorithms MD5 and SHA, and authentication methods c) Describe PKI components and protection methods d) Describe Elliptic Curve Cryptography (ECC) e) Compare and contrast SSL, DTLS, and TLS

300-209 Sample Questions:

01. Which two of the following provide protect against man-in-the-middle attacks?
(Choose two.)
a) TCP initial sequence number randomization?
b) TCP sliding-window checking
c) Network Address Translation
d) IPsec VPNs
e) Secure Sockets Layer

02. Which of the following VPN technologies uses non-tunneled IPsec as its encapsulation mode?
a) Individual IPsec tunnels
b) Cisco Easy VPN
c) Dynamic Multipoint VPN (DMVPN)
d) Group Encrypted Transport (GET) VPN

03. Which of the following are valid characterizations of key encryption protocols?
(Choose all that apply.)
a) Asymmetric
b) Bidirectional
c) Symmetric
d) One-Way

04. Which encapsulation mode, when deployed in tunnel mode, provides confidentiality, authenticity, integrity, and antireplay by encapsulating and protecting the entire original IP packet?
a) Authentication Headers (AH)
b) Internet Security Association and Key Management Protocol (ISAKMP)
c) Diffie-Hellman key exchange with Perfect Forward Secrecy (PFS)
d) Encapsulating Security Payload (ESP)

05. The encapsulation on a virtual tunnel interface must be which of the following?
a) Frame Relay
b) ATM
c) AH or ESP
d) ISAKMP
e) HDLC

06. Where are dynamic point-to-point VTI tunnels deployed?
a) On the hub router
b) On each spoke router
c) On the hub router and on each spoke router
d) On the VPN concentrator
e) None of the above

07. The IP address of a virtual tunnel interface must be configured using which interface command?
a) ip address
b) ip address dhcp
c) ip address pppoe
d) ip unnumbered

08. Which mechanism provides dynamic mutual discovery of spoke devices?
a) GRE
b) IKE
c) NHRP
d) DHCP
e) Expired Certificate List

09. Which network topology is in use when every network has a direct VPN connection to every other network? This topology provides any-to-any communication and provides the most optimal direct path for network traffic.
a) Fully meshed network
b) Star topology network
c) Partially meshed network
d) Individual point-to-point VPN connection
e) Hub-and-spoke network

10. When deploying an IPsec site-to-site VPN, what is the recommended method of peer authentication from a security perspective?
a) Pre-shared keys
b) Digital certificates
c) Biometrics
d) OTP

Answers to 300-209 Exam Questions:

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

Note: 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