CISCO 300-745

Cisco CCNP Security Certification Questions & Answers

Exam Summary – Syllabus – Questions

300-745

[Cisco Certified Specialist - Designing Cisco Security Infrastructure](#)

55-65 Questions Exam – Variable (750-850 / 1000 Approx.) Cut Score – Duration of 90 minutes

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Know Your 300-745 Certification Well:

The 300-745 is best suitable for candidates who want to gain knowledge in the Cisco Security. Before you start your 300-745 preparation you may struggle to get all the crucial CCNP Security materials like 300-745 syllabus, sample questions, study guide.

But don't worry the 300-745 PDF is here to help you prepare in a stress free manner.

The PDF is a combination of all your queries like-
- What is in the 300-745 syllabus?
- How many questions are there in the 300-745 exam?
- Which Practice test would help me to pass the 300-745 exam at the first attempt?

Passing the 300-745 exam makes you Cisco Certified Specialist - Designing Cisco Security Infrastructure. Having the CCNP Security certification opens multiple opportunities for you. You can grab a new job, get a higher salary or simply get recognition within your current organization.

Cisco 300-745 CCNP Security Certification Details:

Exam Name	Designing Cisco Security Infrastructure
Exam Code	300-745
Exam Price	$300 USD
Duration	90 minutes
Number of Questions	55-65
Passing Score	Variable (750-850 / 1000 Approx.)
Exam Registration	**PEARSON VUE**
Sample Questions	**Cisco 300-745 Sample Questions**
Practice Exam	**Cisco Certified Specialist - Designing Cisco Security Infrastructure Practice Test**

300-745 Syllabus:

Section	Weight	Objectives
Secure Infrastructure	30%	- Select the security approaches to protect against threats • Endpoint and client devices (on-network, off-network, and remote) • Identity such as MFA, passwordless, continuous trust, and identity intelligence • Email (phishing, ransomware, business email compromise, malware, and spoofing) - Modify the security architecture to address technical requirements • Hybrid workers • IoT • SaaS • Applications across data center and multi-cloud - Select a VPN and tunneling solution such as SD-WAN, IPsec, MPLS, GRE, DMVPN, and public cloud tunnel options based on business and technical requirements - Select the approach to secure the infrastructure management and control planes - Select the firewall feature or architecture such as traditional firewall, Nextgen firewall, Web Application Firewall, IPS/IDS, distributed firewall, eBPF, and host-based firewall given business and technical requirements
Applications	25%	- Select the security solution such as firewalls, SSL offloading, SSL decryption, DLP, and endpoint based on application and flow data, to protect an application - Select the design for cloud-native applications, microservices, containers, and serverless architectures to ensure segmentation/microsegmentation - Describe the design policies to address the impacts

Section	Weight	Objectives
		of emerging technologies such as generative AI, machine learning, and quantum computing
Risk, Events, and Requirements	30%	- Describe how the SOC leverages incident handling and incident response tools - Modify a design to mitigate risk - Modify a security design following an incident - Describe the use of frameworks such as MITRE CAPEC, NIST SP 800-37, and SAFE in the lifecycle of a security design - Match the regulatory and industry compliance document to a given business or technical scenario
Artificial Intelligence, Automation, and DevSecOps	15%	- Describe the functions, uses, and role of AI in securing network infrastructure - Select the feature or element required to support automated security architecture/infrastructure such as API tooling, Infrastructure as Code, monitoring, container scanning, security telemetry, alerting, and SOAR - Select the next step in workflows and pipelines to be implemented by DevSecOps engineers to minimize risk from automated deployments

Cisco 300-745 Sample Questions:

Question: 1

Which two metrics are important for evaluating the performance of automated security response workflows?

(Choose two.)

- a) Mean Time to Detect (MTTD)
- b) CPU temperature
- c) VLAN propagation speed
- d) Mean Time to Respond (MTTR)

Answer: a, d

Question: 2

When designing security for applications distributed across multiple cloud providers, what is a key consideration?

a) Consistent identity and access policies
b) High-performance DHCP services
c) MPLS cloud backbone routing
d) Local proxy deployment

Answer: a

Question: 3

Which two best practices align with incident response and compliance objectives?
(Choose two.)

a) Maintain immutable logs
b) Implement real-time monitoring
c) Use shared admin credentials
d) Disable auditing to improve performance

Answer: a, b

Question: 4

Which two solutions help ensure consistent policy enforcement across multi-cloud workloads?
(Choose two.)

a) Cisco Secure Workload (Tetration)
b) SNMP traps
c) Cloud-delivered Firewall (CDFW)
d) Static IP routing

Answer: a, c

Question: 5

How does AI improve the performance of intrusion prevention systems (IPS)?

a) Decreases SNMP load
b) Enables real-time dynamic rule creation
c) Disables logging overhead
d) Bypasses signature-based detection

Answer: b

Question: 6

Which two controls help detect drift in IaC-managed infrastructure? (Choose two.)

    a) Continuous configuration monitoring
    b) Manual change log entries
    c) DHCP snooping
    d) Immutable infrastructure patterns

Answer: a, d

Question: 7

What is the primary benefit of conducting a root cause analysis after a security incident?

    a) Validate OSI model compliance
    b) Enable compliance with NTP standards
    c) Drive design improvements to prevent recurrence
    d) Improve FTP throughput

Answer: c

Question: 8

Which two approaches support secure communication in containerized microservices architectures? (Choose two.)

    a) Mutual TLS between services
    b) Shared service account credentials
    c) Service Mesh with policy enforcement
    d) Static NAT entries

Answer: a, c

Question: 9

Which function does a DLP system perform when protecting application data?

    a) Inspects routing tables
    b) Enforces policy compliance by inspecting data in transit
    c) Redirects packets to edge firewalls
    d) Provides segmentation using VLANs

Answer: b

Question: 10

Which Cisco product provides automated incident response workflows integrated with SIEM and SOAR platforms?

a) Cisco SecureX
b) Cisco AnyConnect
c) Cisco DNA Center
d) Cisco Catalyst

Answer: a

Study Guide to Crack Cisco CCNP Security 300-745 Exam:

- Getting details of the 300-745 syllabus, is the first step of a study plan. This pdf is going to be of ultimate help. Completion of the syllabus is must to pass the 300-745 exam.
- Making a schedule is vital. A structured method of preparation leads to success. A candidate must plan his schedule and follow it rigorously to attain success.
- Joining the Cisco provided training for 300-745 exam could be of much help. If there is specific training for the exam, you can discover it from the link above.
- Read from the 300-745 sample questions to gain your idea about the actual exam questions. In this PDF useful sample questions are provided to make your exam preparation easy.
- Practicing on 300-745 practice tests is must. Continuous practice will make you an expert in all syllabus areas.

Reliable Online Practice Test for 300-745 Certification

Make NWExam.com your best friend during your Designing Cisco Security Infrastructure exam preparation. We provide authentic practice tests for the 300-745 exam. Experts design these online practice tests, so we can offer you an exclusive experience of taking the actual 300-745 exam. We guarantee you 100% success in your first exam attempt if you continue practicing regularly. Don't bother if you don't get 100% marks in initial practice exam attempts. Just utilize the result section to know your strengths and weaknesses and prepare according to that until you get 100% with our practice tests. Our evaluation makes you confident, and you can score high in the 300-745 exam.

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