CISCO 400-007

Cisco CCDE v3.0 Certification Questions & Answers

Exam Summary – Syllabus – Questions

400-007

Cisco Certified Design Expert v3.0

90-110 Questions Exam – Variable (750-850 / 1000 Approx.) Cut Score – Duration of 120 minutes

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Know Your 400-007 Certification Well:

The 400-007 is best suitable for candidates who want to gain knowledge in the Cisco Design. Before you start your 400-007 preparation you may struggle to get all the crucial CCDE v3.0 materials like 400-007 syllabus, sample questions, study guide.

But don't worry the 400-007 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 400-007 syllabus?
- How many questions are there in the 400-007 exam?
- Which Practice test would help me to pass the 400-007 exam at the first attempt?

Passing the 400-007 exam makes you Cisco Certified Design Expert v3.0. Having the CCDE v3.0 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 400-007 CCDE v3.0 Certification Details:

Exam Name	Cisco Certified Design Expert
Exam Code	400-007
Exam Price	$450 USD
Duration	120 minutes
Number of Questions	90-110
Passing Score	Variable (750-850 / 1000 Approx.)
Recommended Training	**Cisco Digital Learning**
Exam Registration	**PEARSON VUE**
Sample Questions	**Cisco 400-007 Sample Questions**
Practice Exam	**Cisco Certified Design Expert v3.0 Practice Test**

400-007 Syllabus:

Section	Weight	Objectives
Business Strategy Design	15%	- Impact on network design, implementation, and optimization using various customer project management methodologies (for instance waterfall and agile) - Solutions based on business continuity and operational sustainability (for instance RPO, ROI, CAPEX/OPEX cost analysis, and risk/reward)
Control, data, management plane and operational design	25%	- End-to-end IP traffic flow in a feature-rich network - Data, control, and management plane technologies - Centralized, decentralized, or hybrid control plane - Automation/orchestration design, integration, and on-going support for networks (for instance interfacing with APIs, model-driven management, controller-based technologies, evolution to CI/CD framework) - Software-defined architecture and controller-based solution design (SD-WAN, overlay, underlay, and fabric)
Network Design	30%	- Resilient, scalable, and secure modular networks, covering both traditional and software-defined architectures, considering: • Technical constraints and requirements • Operational constraints and requirements • Application behavior and needs • Business requirements • Implementation plans • Migration and transformation
Service Design	15%	- Resilient, scalable, and secure modular network design based on constraints (for instance technical, operational, application, and business constraints) to support applications on the IP network (for instance voice, video, backups, data center replication, IoT, and storage) - Cloud/hybrid solutions based on business-critical operations • Regulatory compliance • Data governance (for instance sovereignty, ownership, and locale) • Service placement • SaaS, PaaS, and IaaS

Section	Weight	Objectives
		• Cloud connectivity (for instance direct connect, cloud on ramp, MPLS direct connect, and WAN integration) • Security
Security Design	15%	- Network security design and integration • Segmentation • Network access control • Visibility • Policy enforcement • CIA triad • Regulatory compliance (if provided the regulation)

Cisco 400-007 Sample Questions:

Question: 1

You want to mitigate failures that are caused by STP loops that occur before UDLD detects the failure or that are caused by a device that is no longer sending BPDUs. Which mechanism do you use along with UDLD?

a) Root guard
b) BPDU guard
c) Loop guard
d) BPDU filtering

Answer: c

Question: 2

What are two examples of business goals to be considered when a network design is built?

(Choose two.)

a) standardize resiliency
b) minimize operational costs
c) integrate endpoint posture
d) ensure faster obsolescence
e) reduce complexity

Answer: b, e

Question: 3

How must the queue sizes be designed to ensure that an application functions correctly?

a) Each individual device queuing delay in the chain must be less than or equal to the application required delay.
b) The queuing delay on every device in the chain must be exactly the same to the application required delay.
c) The default queue sizes are good for any deployment as it compensates the serialization delay.
d) The sum of the queuing delay of all devices plus serialization delay in the chain must be less than or equal to the application required delay.

Answer: d

Question: 4

Company XYZ has a new network based on IPv6. Some of the subnets that they are planning to use will be confidential and need an addressing scheme that confines them to the local campus network.

Which type of IPv6 addresses can be used for these networks in the IPv6 addressing design?

a) local addresses
b) private addresses
c) link-local addresses
d) unique local addresses

Answer: d

Question: 5

While designing a switched topology, in which two options is UplinkFast recommended?

(Choose two)

a) when switches of different spanning-tree types are connected (for example. 802.1d connecting to 802.1w)
b) on distribution layer switches
c) when hello timers are changed to more aggressive values
d) on access layer switches
e) on the core switches

Answer: a, d

Question: 6

What are two primary design constraints when a robust infrastructure solution is created?

(Choose two.)

a) monitoring capabilities
b) project time frame
c) staff experience
d) component availability
e) total cost

Answer: b, e

Question: 7

According to the CIA triad principles for network security design, which principle should be priority for a Zero Trust network?

a) requirement for data-in-motion encryption and 2FA authentication
b) requirement for data-at-rest encryption foe user identification within the VPN termination hardware
c) categorization of systems, data, and enterprise BYOD assets that are connected to network zones based on individual privacy needs
d) ensuring that authorized users have high-availability system access from defined zones to defined systems or zones

Answer: a

Question: 8

How can EIGRP topologies be designed to converge as fast as possible in the event of a point-to-point link failure?

a) Limit the query domain by use of distribute lists.
b) Build neighbor adjacencies in a triangulated fashion.
c) Build neighbor adjacencies in squared fashion.
d) Limit the query domain by use of summarization.
e) Limit the query domain by use of default routes.

Answer: d

Question: 9

A healthcare customer requested that SNMP traps must be sent over the MPLS Layer 3 VPN service. Which protocol must be enabled?

a) SNMPv3
b) Syslog
c) Syslog TLS
d) SNMPv2
e) SSH

Answer: a

Question: 10

Which BGP feature provides fast convergence?

a) BGP PIC |
b) BGP-EVPN
c) BGP FlowSpec
d) BGP-LS

Answer: a

Study Guide to Crack Cisco CCDE v3.0 400-007 Exam:

- Getting details of the 400-007 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 400-007 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 400-007 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 400-007 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 400-007 practice tests is must. Continuous practice will make you an expert in all syllabus areas.

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