

CISCO 300-610

Cisco CCNP Data Center Certification Questions & Answers

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300-610

[Cisco Certified Specialist Data Center Design](#)

55-65 Questions Exam – Variable (750-850 / 1000

Approx.) Cut Score – Duration of 90 minutes

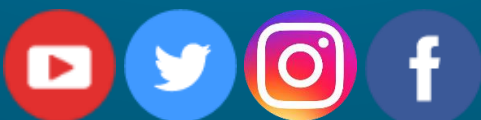


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Discover More about the 300-610 Certification

Are you interested in passing the Cisco 300-610 exam? First discover, who benefits from the 300-610 certification. The 300-610 is suitable for a candidate if he wants to learn about Data Center. Passing the 300-610 exam earns you the Cisco Certified Specialist Data Center Design title.

While preparing for the 300-610 exam, many candidates struggle to get the necessary materials. But do not worry; your struggling days are over. The 300-610 PDF contains some of the most valuable preparation tips and the details and instant access to useful [300-610 study materials just at one click](#).

Cisco 300-610 CCNP Data Center Certification

Details:

Exam Name	Designing Cisco Data Center Infrastructure
Exam Number	300-610 DCID
Exam Price	\$300 USD
Duration	90 minutes
Number of Questions	55-65
Passing Score	Variable (750-850 / 1000 Approx.)
Recommended Training	Designing Cisco Data Center Infrastructure (DCID)
Exam Registration	PEARSON VUE
Sample Questions	Cisco 300-610 Sample Questions
Practice Exam	Cisco Certified Specialist Data Center Design Practice Test

300-610 Syllabus:

Section	Weight	Objectives
Network Design	35%	<ul style="list-style-type: none"> - Evaluate options for Layer 2 connectivity <ul style="list-style-type: none"> • Endpoint mobility • Redundancy/high availability • Convergence • Services insertion - Evaluate options for Layer 3 connectivity <ul style="list-style-type: none"> • IP mobility

Section	Weight	Objectives
		<ul style="list-style-type: none"> • Redundancy / high availability (graceful restart, NSF) • Convergence • Services insertion (load balancing, security) <p>- Evaluate data center technologies such as vPC/vPC+</p> <p>- Evaluate options for interconnecting data centers such as VXLAN EVPN and OTV</p> <p>- Evaluate options for device and routing virtualization</p> <ul style="list-style-type: none"> • VDC • VRF (standard, VXLAN EVPN tenant) <p>- Evaluate in-band and out-of-band options for management</p> <p>- Evaluate redundancy options such as active/active and disaster recovery site</p>
<p>Compute Design</p>	<p>25%</p>	<p>- Evaluate options for Ethernet connectivity</p> <ul style="list-style-type: none"> • Redundancy / high availability • Bandwidth (oversubscription) • Fabric interconnect operation mode (switch mode, end host mode) <p>- Evaluate options for storage connectivity</p> <ul style="list-style-type: none"> • Bandwidth (port-channels, oversubscription) • Fabric interconnect operation mode (switch mode, end host mode) • Direct-attached storage (appliance, FC storage, and FCoE ports) <p>- Evaluate options for network device virtualization in a data center (Cisco VIC adapters)</p> <ul style="list-style-type: none"> • Number of interfaces vs. IOM uplinks • vCon placement policies • Ethernet adaptor policies • Fibre Channel adapter policies <p>- Evaluate options for hyperconverged infrastructure</p> <ul style="list-style-type: none"> • Cluster mode • HX for virtual server

Section	Weight	Objectives
Storage Network Design	20%	<ul style="list-style-type: none"> • Desktop virtualization <ul style="list-style-type: none"> - Plan for iSCSI deployment in a data center (Multipathing and addressing schemes) - Evaluate QoS requirements in a data center <ul style="list-style-type: none"> • Fibre Channel • FCoE • FCIP • iSCSI <ul style="list-style-type: none"> - Determine FCoE/ Fibre Channel interface <ul style="list-style-type: none"> • Dedicated and shared mode • Port types • ISL • Oversubscription <ul style="list-style-type: none"> - Evaluate SAN topology options
Automation Design	20%	<ul style="list-style-type: none"> - Evaluate options for network orchestration and automation <ul style="list-style-type: none"> • DCNM • Intersight • NX-API • Model-driven programmability • Ansible • Puppet • Python <ul style="list-style-type: none"> - Evaluate options for compute orchestration and automation <ul style="list-style-type: none"> • Service profile templates • vNIC templates • vHBA templates • Global policies vs. local policies

Broaden Your Knowledge with Cisco 300-610

Sample Questions:

Question: 1

Which Cisco HyperFlex feature provides virtual machine-level cost scaling for desktop virtualization growth?

- a) HyperFlex Edge support
- b) encryption offload cards
- c) dedicated compute nodes
- d) fabric interconnects

Answer: a

Question: 2

What are two reasons to select OTV as the DCI solution to connect multisite topologies?

(Choose two.)

- a) It propagates hosts reachability without support of traffic flooding.
- b) Layer 3 failures do not propagate beyond the OTV edge device.
- c) It extends the spanning tree between data centers.
- d) It is an open standard.
- e) It constrains HSRP hello messages to each data center.

Answer: b, c

Question: 3

A client in a commercial building installs a Cisco blade server in the multitenant Cisco UCS blade infrastructure. To cut operating costs, the client's data center is shared with other organizations. The client asks an engineer to prevent third parties from accessing their equipment and from accessing BIOS-related information when booting a server. Which two policies must be used to meet these requirements?

(Choose two.)

- a) post error pause
- b) CDN control
- c) ASPM support
- d) front panel lockout
- e) quiet boot

Answer: d, e

Question: 4

A Cisco UCS instance has four interfaces on a UCS VIC. Where on the fabric interconnect does each interface terminate?

- a) vPC
- b) virtual interface
- c) port channel
- d) physical port

Answer: b**Question: 5**

What are two advantages of using Cisco vPC over traditional access layer designs? (Choose two.)

- a) supports Layer 3 port channels
- b) disables spanning-tree
- c) no spanning-tree blocked ports
- d) uses all available uplink bandwidth
- e) maintains a single control plane

Answer: c, d**Question: 6**

Which two features are provided by deploying an OOB management network in a Cisco Nexus data center? (Choose two.)

- a) Layer 3 path for monitoring purposes
- b) Layer 2 path for server traffic
- c) Layer 2 path for a vPC peer link
- d) Layer 3 path for vPC keepalive packets
- e) Layer 3 path for server traffic

Answer: b, c**Question: 7**

Which technology enables Layer 2 extension between remote data center sites?

- a) FCIP
- b) GRE
- c) DMVPN
- d) OTV

Answer: d

Question: 8

The management of the Cisco Nexus switches is provided over an isolated out-of-band network. The VDC feature is configured on the Cisco Nexus core switches.

How is out-of-band management access provided for each VDC?

- a) All the VDC have the same out-of-band IP address.
- b) Each VDC has a dedicated out-of-band Ethernet management port.
- c) Each VDC has a unique out-of-band IP address from the same IP subnet.
- d) Each VDC has a unique out-of-band IP address from different IP subnets among VDCs.

Answer: c

Question: 9

Where does Cisco UCS handle Fibre Channel traffic failover?

- a) on a Cisco UCS Fabric Interconnect ASIC in Fibre Channel switching mode
- b) on the host, by using multipathing software
- c) in the hardware on the Cisco UCS VIC 12xx adapter or later
- d) in the hardware on any Cisco UCS VIC adapter

Answer: b

Question: 10

When planning to deploy a load-balancing service as a managed node, which ACI configuration must be included?

- a) BGP ECMP
- b) Layer 4 to Layer 7 device package
- c) inline load-balancing device
- d) ITD

Answer: b

Avail the Study Guide to Pass Cisco 300-610 CCNP Data Center Exam:

- Find out about the 300-610 syllabus topics. Visiting the official site offers an idea about the exam structure and other important study resources. Going through the syllabus topics help to plan the exam in an organized manner.

- Once you are done exploring the [300-610 syllabus](#), it is time to plan for studying and covering the syllabus topics from the core. Chalk out the best plan for yourself to cover each part of the syllabus in a hassle-free manner.
- A study schedule helps you to stay calm throughout your exam preparation. It should contain your materials and thoughts like study hours, number of topics for daily studying mentioned on it. The best bet to clear the exam is to follow your schedule rigorously.
- The candidate should not miss out on the scope to learn from the 300-610 training. Joining the Cisco provided training for 300-610 exam helps a candidate to strengthen his practical knowledge base from the certification.
- Learning about the probable questions and gaining knowledge regarding the exam structure helps a lot. Go through the [300-610 sample questions](#) and boost your knowledge
- Make yourself a pro through online practicing the syllabus topics. 300-610 practice tests would guide you on your strengths and weaknesses regarding the syllabus topics. Through rigorous practicing, you can improve the weaker sections too. Learn well about time management during exam and become confident gradually with practice tests.

Career Benefits:

Passing the 300-610 exam, helps a candidate to prosper highly in his career. Having the certification on the resume adds to the candidate's benefit and helps to get the best opportunities.

Here Is the Trusted Practice Test for the 300-610 Certification

NWExam.com is here with all the necessary details regarding the 300-610 exam. We provide authentic practice tests for the 300-610 exam. What do you gain from these practice tests? You get to experience the real exam-like questions made by industry experts and get a scope to improve your performance in the actual exam. Rely on NWExam.com for rigorous, unlimited two-month attempts on the [300-610 practice tests](#), and gradually build your confidence. Rigorous practice made many aspirants successful and made their journey easy towards grabbing the Cisco Certified Specialist Data Center Design.

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