



300-165

Implementing Cisco Data Center Infrastructure

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SUCCESS GUIDE TO CISCO CERTIFICATION

Exam Summary – Syllabus – Questions

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Introduction to 300-165 Exam on Implementing Cisco Data Center Infrastructure

A great way to start the Cisco Certified Network Professional Data Center (DCII) preparation is to begin by properly appreciating the role that syllabus and study guide play in the Cisco 300-165 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 Data Center exam.

Our team of experts has composed this Cisco 300-165 exam preparation guide to provide the overview about Cisco Implementing Cisco Data Center Infrastructure exam, study material, sample questions, practice exam and ways to interpret the exam objectives to help you assess your readiness for the Cisco DCII 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 Data Center certification exam.

Cisco 300-165 Certification Details:

Exam Name	Implementing Cisco Data Center Infrastructure
Exam Number	300-165 DCII
Exam Price	\$300 USD
Duration	90 minutes
Number of Questions	55-65
Passing Score	Variable (750-850 / 1000 Approx.)
Recommended Training	Implementing Cisco Data Center Infrastructure (DCII)
Exam Registration	<u>PEARSON VUE</u>
Sample Questions	Cisco 300-165 Sample Questions
Practice Exam	Cisco Certified Network Professional Data Center Practice Test

Cisco 300-165 Exam Syllabus:

Section	Weight	Objectives
Implement Data Center Protocols	29%	<ol style="list-style-type: none"> 1. Implement vPC 2. Implement FabricPath <ul style="list-style-type: none"> - Segment ID - Distributed gateway, anycast HSRP - Multiprotocol BGP - vPC+ 3. Implement VXLAN <ul style="list-style-type: none"> - Distributed gateway - Multiprotocol-BGP-EVPN - vPC 4. Implement OTV 5. Implement LISP
Implement Routing and Switching Protocols	22%	<ol style="list-style-type: none"> 2. Implement routing protocols <ul style="list-style-type: none"> - OSPFv2, OSPFv3 - IS-IS - PIM - FHRP HSRP VRRP 2. Implement switching protocols <ul style="list-style-type: none"> - STP - LACP/port channel - FEX, VNTAG
Data Center Infrastructure Maintenance, Management, and Operations	14%	<ol style="list-style-type: none"> 1. Plan and execute software updates <ul style="list-style-type: none"> - Disruptive / nondisruptive - EPLD 2. Implement configuration management <ul style="list-style-type: none"> - Backups / restore - Checkpoints /rollback 3. Implement infrastructure monitoring <ul style="list-style-type: none"> - Logging - SNMP - Call Home - NetFlow - SPAN 4. Configure time synchronization <ul style="list-style-type: none"> - PTP - NTP
Data Center Infrastructure Security	12%	<ol style="list-style-type: none"> 1. Implement ACLs 2. Implement AAA and RBAC 3. Implement keychain authentication 4. Implement first-hop security <ul style="list-style-type: none"> - Dynamic ARP inspections - DHCP snooping - Unicast RPF - MACsec - Port security

Section	Weight	Objectives
		5. Implement CoPP 6. Implement fabric binding and port security
Infrastructure Storage	23%	1. Implement Fibre Channel fabric <ul style="list-style-type: none"> - Switched fabric initialization - Port channels, ISL - FCID - FCIP 2. Implement Fibre Channel Protocol services <ul style="list-style-type: none"> - Zoning - Cisco Fabric Services - FCNS - Device alias - VSAN - FSPF 3. Implement FCoE Unified Fabric <ul style="list-style-type: none"> - Storage VDC - FIP - FCoE topologies - DCB

300-165 Sample Questions:

01. Which two statements about FCoE are true?

(Choose two.)

- a) FCoE is, from the perspective of Fibre Channel, just another upper-layer protocol.
- b) FCoE is, from the perspective of Ethernet, just another type of cable.
- c) FCoE EtherType is 0x8906.
- d) FCoE ensures lossless delivery of SAN traffic.
- e) FCoE accommodates FC traffic on Ethernet by following Cisco proprietary protocols.

02. What are two default user roles on the Cisco Nexus 5600 switch?

(Choose two.)

- a) network-admin
- b) AAA-operator
- c) network-operator
- d) AAA-admin
- e) admin-operator

03. Which statement is true about HSRP versions?

- a) HSRP version 2 is backwards compatible with version 1.
- b) Both HSRP versions 1 and 2 support IPv6.
- c) HSRP version 2 allows more HSRP groups than version 1.
- d) HSRP version 2 is also known as VRRP.

04. Which statements are correct about MST?

(Select two.)

- a) MST uses PVRST+ for each STP instance.
- b) Two switches are in the same MST region if their region names match
- c) MST is supported on Cisco Nexus switches.
- d) Only MSTI0 sends BPDUs.
- e) MST Instance 1 is also called the IST.

05. Which statement about SSH on Cisco NX-OS is true?

- a) SSH is enabled by default.
- b) SSH can work only on IPv4.
- c) On Cisco Nexus 7000, one SSH configuration applies to all VDCs.
- d) SSH requires a special license.

06. Which statement is true about HSRP configuration?

- a) You need to enable the HSRP feature before you start the HSRP configuration.
- b) The default HSRP priority is 200.
- c) The virtual IP address can be the same as the IP address on one of the interfaces.
- d) The device with the lowest HSRP priority becomes the HSRP active router.

07. Select statement that is correct about STP Edge port.

- a) compliments Cisco PortFast feature
- b) STP edge port transitions from initialization straight to the listening state
- c) should be configured on ports to which workstations and servers connect to
- d) layer 3 feature

08. Take a look at the figure. Which two types can the pointed out port be?

(Choose two.)

- a) E
- b) TE
- c) F
- d) TF
- e) N

09. Which two statements about Precision Time Protocol (PTP) are true?

(Choose two.)

- a) PTP accounts for the roundtrip time of PTP packets.
- b) Version 2 of the protocol uses stratum to describe the quality of the time source.
- c) PTP works over TCP.
- d) PTP is equivalent to NTP version 5.
- e) PTP offers more accurate timekeeping than NTP.

10. Which statement about Cisco Fabric Services is true?

- a) Cisco Fabric Services is a standard protocol.
- b) Discovery of CFS-capable devices is a manual job.
- c) Cisco Fabric Services is the updated version of NSF.
- d) Non-CFS-capable switches may prevent a part of the fabric from receiving the intended distribution.

Answers to 300-165 Exam Questions:

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

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