CISCO 300-615

Cisco CCNP Data Center Certification Questions & Answers

Exam Summary – Syllabus – Questions

300-615
[Cisco Certified Network Professional Data Center](#)
60-70 Questions Exam – Variable (750-850 / 1000 Approx.) Cut Score – Duration of 90 minutes

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Know Your 300-615 Certification Well:

The 300-615 is best suitable for candidates who want to gain knowledge in the Cisco Data Center. Before you start your 300-615 preparation you may struggle to get all the crucial CCNP Data Center materials like 300-615 syllabus, sample questions, study guide.

But don't worry the 300-615 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 300-615 syllabus?
- How many questions are there in the 300-615 exam?
- Which Practice test would help me to pass the 300-615 exam at the first attempt?

Passing the 300-615 exam makes you Cisco Certified Network Professional Data Center. Having the CCNP Data Center 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 300-615 CCNP Data Center Certification Details:

Exam Name	Troubleshooting Cisco Data Center Infrastructure
Exam Code	300-615
Exam Price	$300 USD
Duration	90 minutes
Number of Questions	60-70
Passing Score	Variable (750-850 / 1000 Approx.)
Recommended Training	**Troubleshooting Cisco Data Center Infrastructure (DCIT)**
Exam Registration	**PEARSON VUE**
Sample Questions	**Cisco 300-615 Sample Questions**
Practice Exam	**Cisco Certified Network Professional Data Center Practice Test**

300-615 Syllabus:

Section	Weight	Objectives
Network	25%	- Troubleshoot routing protocols • OSPFv2, OSPFv3 • MP-BGP • PIM • FHRP (HSRP, VRRP) - Troubleshoot switching protocols, such as RSTP+, LACP, and vPC - Troubleshoot overlay protocols, such as VXLAN EVPN and OTV - Troubleshoot Application Centric Infrastructure • Fabric discovery • Access policies • VMM domain integration • Tenant policies • Packet flow (unicast, multicast, and broadcast) • External connectivity
Compute Platforms	25%	- Troubleshoot Cisco Unified Computing System rack servers - Troubleshoot Cisco Unified Computing System blade chassis • Infrastructure such as chassis, power, IOM • Network (VLANs, pools and policies, templates, QoS) • Storage (SAN connectivity, FC zoning, VSANs, pools, policies, templates) • Server pools and boot policies - Troubleshoot packet flow from server to the fabric - Troubleshoot hardware interoperability • Converged Network Adapters / port expanders • Firmware • I/O modules / FEX • Fabric interconnects

Section	Weight	Objectives
		- Troubleshoot firmware upgrades, packages, and interoperability
Storage Network	15%	- Troubleshoot Fibre Channel • Switched fabric initialization • Fibre Channel buffer credit starvation • FCID • Cisco Fabric Services • Zoning • Device alias • NPV and NPIV • VSAN - Troubleshoot FCoE Cisco Unified Fabric (FIP, DCB)
Automation	15%	- Troubleshoot automation and scripting tools • EEM • Scheduler - Troubleshoot programmability • Bash shell and guest shell for NX-OS • REST API • JSON and XML encodings
Management and Operations	20%	- Troubleshoot firmware upgrades, packages, and interoperability - Troubleshoot integration of centralized management - Troubleshooting network security • Fabric binding and port security • AAA and RBAC • First-hop security such as dynamic ARP, DHCP snooping, and port security • Troubleshoot CoPP - Troubleshoot ACI security domains and role mapping - Troubleshoot data center compute security • Troubleshoot AAA and RBAC • Troubleshoot key management

Section	Weight	Objectives
		- Troubleshoot storage security
		• AAA and RBAC
		• Port security
		• Fabric binding

Cisco 300-615 Sample Questions:

Question: 1

A network administrator attempts to install an application in the Cisco NX-OS Guest shell and receives an error message that there is not enough space on the disk.

Which command must the administrator run to resolve this issue?

a) guestshell growdisk rootfs [size-in-MB]
b) guestshell pvextend rootfs [size-in-MB]
c) guestshell resize rootfs [size-in-MB]
d) guestshell resize2fs rootfs [size-in-MB]

Answer: c

Question: 2

You have an ACI environment with three APICs, two spine switches, and four-leaf switches. You wipe and reboot all APICs first then leaf and spine switches one-by-one and successfully go through the Initial Setuo dialogue on the APIC 1 CIMC KVM console.

When you log in to the APIC1 WebGUI, you notice that you do not see any directly connected leaf switches being discovered under Fabric > Inventory > Fabric Membership.

What is the cause of the issue?

a) The same Fabric Name value should be used before after wiping all devices
b) Rebooting the APICs and the leaf and spine switches after wiping them is not required
c) You forgot to enter the TEP Pool value during the Initial Setup dialogue on APIC1
d) The leaf nodes were not erased properly, which caused a fabric parameters mismatch with the APIC1

Answer: d

Question: 3

The Cisco Nexus switch is connected to a peer switch that is not running Cisco NX-OS. The switches are connected using port channel and are experiencing packet loss.

Which action should be performed on the Cisco Nexus switch ports to resolve this issue?

a) Turn on lacp suspend-individual
b) Turn on lacp graceful-convergence
c) Turn off lacp graceful-convergence
d) Turn off lacp suspend-individual

Answer: c

Question: 4

The external routes fail to propagate to leaf switches in Cisco ACI fabric. Which two actions resolve the issue? (Choose two.)

a) Enable the VTEP pool in the fabric
b) Assign an MP-BGP AS number to the fabric
c) Specify the spine nodes as route reflectors
d) Associate the correct contract to the L3Out

Answer: b, c

Question: 5

Your client reports that many flaps and server cluster disconnects occur in their data center. While troubleshooting the issue, you discover a network attack hitting their Cisco Nexus 7000 Series Switches and determine that the source IP addresses are spoofed.

Which first-line security solution resolves this issue?

a) Dynamic ARP Inspection
b) Unicast RPF
c) IP Source Guard
d) Storm Control

Answer: a

Question: 6

A Cisco Nexus Series interface is errdisabled with the error message "DCX-No ACK in 100 PDUs". What is the cause of this error?

a) The host has not responded to the Control Sub-TLV DCBX exchanges of the switch
b) The acknowledgement number in the server response has not incremented for 100 exchanges
c) Cisco Discovery Protocol is disabled on the switch
d) LLDP is disabled on the switch

Answer: b

Question: 7

A request to activate the port security database is rejected. Which action investigates the cause of the issue?

a) Enable the auto-learning feature
b) Use the force option to identify rejected devices
c) Find conflicting entries between the active and configuration databases
d) Verify that devices are fully attached to the active database

Answer: b

Question: 8

A server fails to boot from the operating system after a RAID1 cluster migration. The RAID remains in an inactive state during and after a service profile association.

Which action resolves the issue?

a) Configure the SAN boot target in the service profile
b) Configure the SAN boot target to any configuration mode
c) Use a predefined local disk configuration policy
d) Remove the local disk configuration policy

Answer: c

Question: 9

A server administrator attempts to change the Cisco IMC KVM certificate to one that is signed by a private CA, but the certificate is not accepted. What causes this process to fail?

a) using a certificate with a password-protected private key
b) using RSA encryption in the generation of the certificate
c) using AES encryption in the generation of the certificate
d) omitting the public IP address of the Cisco IMC in the SAN

Answer: a

Question: 10

Cisco Unified Computing System Manager raises a critical error message that indicates that the system has overlapping Ethernet and FCoE VLANs. All of the Ethernet traffic on the overlapping VLANs drops.

Which action resolves the issue?

a) Modify the VLAN assignment to vNICs
b) Change the PIN groups on the vHBAs
c) Modify the FCoE VLAN
d) Set the FCoE VLAN as the native VLAN on server uplinks

Answer: a

Study Guide to Crack Cisco CCNP Data Center 300-615 Exam:

- Getting details of the 300-615 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 300-615 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 300-615 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 300-615 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 300-615 practice tests is must. Continuous practice will make you an expert in all syllabus areas.

Reliable Online Practice Test for 300-615 Certification

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