

CISCO 300-615

Cisco CCNP Data Center Certification Questions & Answers

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300-615

[Cisco Certified Network Professional Data Center](#)

60-70 Questions Exam – Variable (750-850 / 1000

Approx.) Cut Score – Duration of 90 minutes

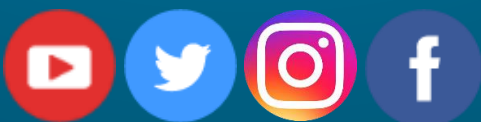


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Discover More about the 300-615 Certification

Are you interested in passing the Cisco 300-615 exam? First discover, who benefits from the 300-615 certification. The 300-615 is suitable for a candidate if he wants to learn about Data Center. Passing the 300-615 exam earns you the Cisco Certified Network Professional Data Center title.

While preparing for the 300-615 exam, many candidates struggle to get the necessary materials. But do not worry; your struggling days are over. The 300-615 PDF contains some of the most valuable preparation tips and the details and instant access to useful [300-615 study materials just at one click](#).

Cisco 300-615 CCNP Data Center Certification

Details:

Exam Name	Troubleshooting Cisco Data Center Infrastructure
Exam Number	300-615 DCIT
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%	<ul style="list-style-type: none"> - Troubleshoot routing protocols <ul style="list-style-type: none"> • OSPFv2, OSPFv3 • MP-BGP • PIM • FHRP (HSRP, VRRP) - Troubleshoot switching protocols, such as RSTP+, LACP, and vPC

Section	Weight	Objectives
		<ul style="list-style-type: none"> - Troubleshoot overlay protocols, such as VXLAN, EVPN and OTV - Troubleshoot Application Centric Infrastructure <ul style="list-style-type: none"> • Fabric discovery • Access policies • VMM domain integration • Tenant policies • Packet flow (unicast, multicast, and broadcast) • External connectivity
Compute Platforms	25%	<ul style="list-style-type: none"> - Troubleshoot Cisco Unified Computing System rack servers - Troubleshoot Cisco Unified Computing System blade chassis <ul style="list-style-type: none"> • 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 <ul style="list-style-type: none"> • Converged Network Adapters / port expanders • Firmware • I/O modules / FEX • Fabric interconnects - Troubleshoot firmware upgrades, packages, and interoperability
Storage Network	15%	<ul style="list-style-type: none"> - Troubleshoot Fibre Channel <ul style="list-style-type: none"> • Switched fabric initialization • Fibre Channel buffer credit starvation • FCID • Cisco Fabric Services

Section	Weight	Objectives
		<ul style="list-style-type: none"> • Zoning • Device alias • NPV and NPIV • VSAN <p>- Troubleshoot FCoE Cisco Unified Fabric (FIP, DCB)</p>
Automation	15%	<p>- Troubleshoot automation and scripting tools</p> <ul style="list-style-type: none"> • EEM • Scheduler <p>- Troubleshoot programmability</p> <ul style="list-style-type: none"> • Bash shell and guest shell for NX-OS • REST API • JSON and XML encodings
Management and Operations	20%	<p>- Troubleshoot firmware upgrades, packages, and interoperability</p> <p>- Troubleshoot integration of centralized management</p> <p>- Troubleshooting network security</p> <ul style="list-style-type: none"> • Fabric binding and port security • AAA and RBAC • First-hop security such as dynamic ARP, DHCP snooping, and port security • Troubleshoot CoPP <p>- Troubleshoot ACI security domains and role mapping</p> <p>- Troubleshoot data center compute security</p> <ul style="list-style-type: none"> • Troubleshoot AAA and RBAC • Troubleshoot key management <p>- Troubleshoot storage security</p> <ul style="list-style-type: none"> • AAA and RBAC • Port security • Fabric binding

Broaden Your Knowledge with 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

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: 3

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 Setup 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: 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

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

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

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: 10

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

Avail the Study Guide to Pass Cisco 300-615 CCNP Data Center Exam:

- Find out about the 300-615 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 [300-615 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 300-615 training. Joining the Cisco provided training for 300-615 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 [300-615 sample questions](#) and boost your knowledge
- Make yourself a pro through online practicing the syllabus topics. 300-615 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 300-615 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 300-615 Certification

NWExam.com is here with all the necessary details regarding the 300-615 exam. We provide authentic practice tests for the 300-615 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 [300-615 practice tests](#), and gradually build your confidence. Rigorous practice made many aspirants successful and made their journey easy towards grabbing the Cisco Certified Network Professional Data Center.

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