

CISCO 300-420

Cisco CCNP Enterprise Certification Questions & Answers

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300-420

Cisco Certified Network Professional Enterprise

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

Approx.) Cut Score – Duration of 90 minutes



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Discover More about the 300-420 Certification

Are you interested in passing the Cisco 300-420 exam? First discover, who benefits from the 300-420 certification. The 300-420 is suitable for a candidate if he wants to learn about Enterprise. Passing the 300-420 exam earns you the Cisco Certified Network Professional Enterprise title.

While preparing for the 300-420 exam, many candidates struggle to get the necessary materials. But do not worry; your struggling days are over. The 300-420 PDF contains some of the most valuable preparation tips and the details and instant access to useful [300-420 study materials just at one click](#).

Cisco 300-420 CCNP Enterprise Certification

Details:

Exam Name	Designing Cisco Enterprise Networks
Exam Number	300-420 ENSLD
Exam Price	\$300 USD
Duration	90 minutes
Number of Questions	55-65
Passing Score	Variable (750-850 / 1000 Approx.)
Recommended Training	Designing Cisco Enterprise Networks (ENSLD)
Exam Registration	PEARSON VUE
Sample Questions	Cisco 300-420 Sample Questions
Practice Exam	Cisco Certified Network Professional Enterprise Practice Test

300-420 Syllabus:

Section	Weight	Objectives
Advanced Addressing and Routing Solutions	25%	<ul style="list-style-type: none"> - Create structured addressing plans for IPv4 and IPv6 - Create stable, secure, and scalable routing designs for IS-IS - Create stable, secure, and scalable routing designs for EIGRP - Create stable, secure, and scalable routing designs for OSPF - Create stable, secure, and scalable routing designs for BGP

Section	Weight	Objectives
		<ul style="list-style-type: none"> • Address families • Basic route filtering • Attributes for path preference • Route reflectors • Load sharing <p>- Determine IPv6 migration strategies</p> <ul style="list-style-type: none"> • Overlay (tunneling) • Native (dual-stacking) • Boundaries (IPv4/IPv6 translations)
<p>Advanced Enterprise Campus Networks</p>	<p>25%</p>	<p>- Design campus networks for high availability</p> <ul style="list-style-type: none"> • First Hop Redundancy Protocols • Platform abstraction techniques • Graceful restart • BFD <p>- Design campus Layer 2 infrastructures</p> <ul style="list-style-type: none"> • STP scalability • Fast convergence • Loop-free technologies • PoE and WoL <p>- Design multicampus Layer 3 infrastructures</p> <ul style="list-style-type: none"> • Convergence • Load sharing • Route summarization • Route filtering • VRFs • Optimal topologies • Redistribution <p>- Describe SD-Access Architecture (underlay, overlay, control and data plane, automation, wireless, and security)</p> <p>- Describe SD-Access fabric design considerations for wired and wireless access (overlay, fabric design, control plan design, border design, segmentation, virtual</p>

Section	Weight	Objectives
		networks, scalability, over the top and fabric for wireless, multicast)
WAN for Enterprise Networks	20%	<ul style="list-style-type: none"> - Compare WAN connectivity options <ul style="list-style-type: none"> • Layer 2 VPN • MPLS Layer 3 VPN • Metro Ethernet • DWDM • 4G/5G • SD-WAN customer edge - Design site-to-site VPN <ul style="list-style-type: none"> • Dynamic Multipoint VPN (DMVPN) • Layer 2 VPN • MPLS Layer 3 VPN • IPsec • Generic Routing Encapsulation (GRE) • Group Encrypted Transport VPN (GET VPN) - Design high availability for enterprise WAN <ul style="list-style-type: none"> • Single-homed • Multihomed • Backup connectivity • Failover - Describe Cisco SD-WAN Architecture (orchestration plane, management plane, control plane, data plane, onboarding and provisioning, security) - Describe Cisco SD-WAN design considerations (control plane design, overlay design, LAN design, high availability, redundancy, scalability, security design, QoS and multicast over SD-WAN fabric)
Network Services	20%	<ul style="list-style-type: none"> - Select appropriate QoS strategies to meet customer requirements (DiffServ, IntServ) - Design end-to-end QoS policies <ul style="list-style-type: none"> • Classification and marking • Shaping

Section	Weight	Objectives
		<ul style="list-style-type: none"> • Policing • Queuing <p>- Design network management techniques</p> <ul style="list-style-type: none"> • In-band vs. out-of-band • Segmented management networks • Prioritizing network management traffic <p>- Describe multicast routing concepts (source trees, shared trees, RPF, rendezvous points)</p> <p>- Design multicast services (SSM, PIM bidirectional, MSDP)</p>
Automation	10%	<p>- Choose the correct YANG data model set based on requirements</p> <p>- Differentiate between IETF, Openconfig, and Cisco native YANG models</p> <p>- Differentiate between NETCONF and RESTCONF</p> <p>- Describe the impact of model-driven telemetry on the network</p> <ul style="list-style-type: none"> • Periodic publication • On-change publication <p>- Compare dial-in and dial-out approaches to model-driven telemetry</p>

Broaden Your Knowledge with Cisco 300-420

Sample Questions:

Question: 1

During the integration of ISE and DNA Center, which of the following are used to establish trust through ISE?

- a) REST APIs
- b) pxGRID services
- c) Scalable groups
- d) SGACLs

Answer: b

Question: 2

In IS-IS networks, the backup designated router (BDR) forms adjacencies to what router or routers?

- a) It forms an adjacency only with the DR
- b) It forms adjacencies with all routers
- c) The BDR only becomes adjacent when the DR is down
- d) There is no BDR in IS-IS

Answer: d**Question: 3**

You need to connect sites that are 8 kilometers apart by using fiber. Which media do you recommend?

- a) 10GBASE-T
- b) 10GBASE-ER
- c) 10GBASE-LR
- d) 10GBASE-SR

Answer: c**Question: 4**

The customization of routing decisions is an example of which policy type?

- a) Centralized control policy
- b) Centralized data Policy
- c) Localized data policy
- d) Localized control policy

Answer: a**Question: 5**

What does a hierarchical EIGRP design help with?

(Choose two.)

- a) Redistribution
- b) Route summarization
- c) Faster convergence
- d) Load balancing

Answer: b, c

Question: 6

A packet sent to a multicast address reaches what destinations?

- a) The nearest destination in a set of hosts
- b) All destinations in a set of hosts
- c) All hosts
- d) Reserved global destinations

Answer: b

Question: 7

How many host addresses are available with a Class B network with the default mask?

- a) 63,998
- b) 64,000
- c) 65,534
- d) 65,536

Answer: c

Question: 8

Which design principle involves redundancy through hardware, software, and connectivity?

- a) Performance
- b) Security
- c) Scalability
- d) High availability

Answer: d

Question: 9

NAT-PT translates between what address types?

- a) RFC 1918 private addresses and public IPv4 addresses
- b) IPv4 and IPv6 addresses
- c) Network addresses and IPv6 ports
- d) Private IPv6 addresses and public IPv6 addresses

Answer: b

Question: 10

By default, if IS-IS is enabled on all routers, and this is an IPv6 network, what path is taken?

- a) Path 1
- b) Path 2
- c) Unequal-cost load balancing with Path 1 and Path 2
- d) Equal-cost load balancing with Path 1 and Path 2

Answer: a

Avail the Study Guide to Pass Cisco 300-420 CCNP Enterprise Exam:

- Find out about the 300-420 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 [300-420 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 300-420 training. Joining the Cisco provided training for 300-420 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 [300-420 sample questions](#) and boost your knowledge
- Make yourself a pro through online practicing the syllabus topics. 300-420 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 300-420 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 300-420 Certification

NWExam.com is here with all the necessary details regarding the 300-420 exam. We provide authentic practice tests for the 300-420 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 [300-420 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 Enterprise.

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