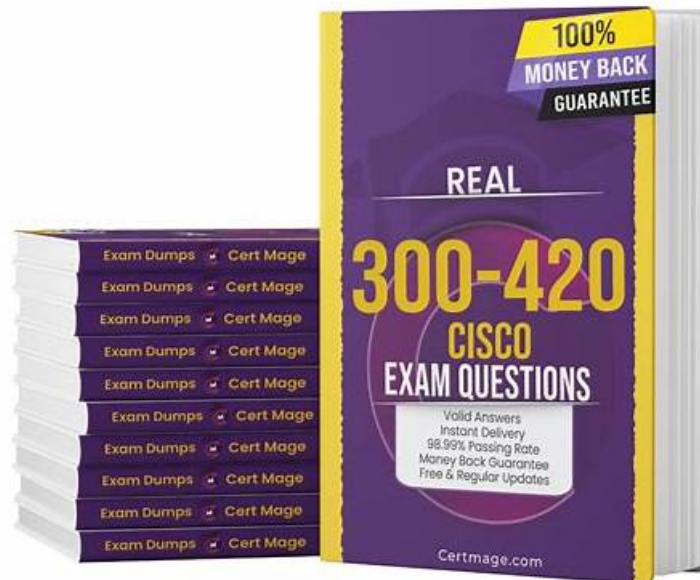


# Exam Topics 300-420 Pdf & 300-420 Free Dump Download



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To pass the Cisco 300-420 exam, candidates need to have a solid understanding of network design principles, network protocols, and Cisco technologies. They also need to have hands-on experience in designing and implementing enterprise networks using Cisco technologies. 300-420 exam consists of multiple-choice questions, drag-and-drop questions, and simulations, and candidates have 90 minutes to complete it. With the Cisco 300-420 Certification, network professionals can demonstrate their expertise in designing and implementing enterprise-level networks using Cisco technologies, which can open up new career opportunities and increase their earning potential.

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## Unique Cisco 300-420 Pdf Questions

The Cisco 300-420 certification exam is one of the top-rated and valuable credentials in the Cisco world. This Cisco 300-420 certification exam is designed to validate a candidate's skills and knowledge. With Cisco 300-420 Certification Exam everyone can upgrade their expertise and knowledge level.

## Objectives of 300-420 Test

There are various topics that are included in the exam and they are:

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- **Network Services (20%).**

The last domain focuses on the ability to choose proper QoS strategies, designing network management techniques; designing end-to-end QoS policies covering shaping, queuing, marking, and more; describing multicast routing concepts, and creating multicast services, including MSDP, SSM, and PIM bidirectional.

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- **Advanced Address and Routing Solutions (25%).**

This domain mainly focuses on creating structured addressing plans for IPv4 and IPv6; creating scalable, stable, and secure routing designs for IS-IS, EIGRP, OSPF, and BGP, including route filtering, load sharing, address families, path preference attributes, and route reflectors; determining IPv6 migration strategies, involving native, boundaries, and overlay.

- 

- **Enterprise Networks and WAN (20%).**

This section addresses the following areas: comparison of WAN connectivity options (DWDM, Layer 2 VPN, 4G/5G, Metro Ethernet, etc.); designing site-to-site VPN, including dynamic multipoint VPN, Ipsec, GRE, and others; designing high availability for enterprise WAN (failover, backup connectivity, etc.); Cisco SD-WAN architecture (on-boarding, security, control plane, and more); Cisco SD-WAN design considerations (redundancy, security design, overlay design, and others).

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- **Advanced Enterprise Campus Networks (25%).**

This part of the exam content measures one's skills in designing campus networks for high availability and knowledge of techniques for platform abstraction, graceful restart, etc.; designing campus Layer 2 infrastructures and multicampus Layer 3 ones, including route summarization, VRFs, convergence, etc.; describing SD-Access Architecture as well as SD-Access fabric design for wireless and wired access.

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- **Automation (10%).**

The Automation domain includes things like choosing the correct YANG data model taking current requirements into account; differentiating between IETF, Cisco native YANG models, and Openconfig as well as between RESTCONF and NETCONF; understanding the impact of model-driven telemetry, covering on-change and periodic publications; comparing dial-in and dial-out approaches to model-driven telemetry.

Cisco 300-420 Exam, also known as Designing Cisco Enterprise Networks (ENSLD), is designed for network professionals who wish to validate their knowledge and skills in designing Cisco enterprise networks. 300-420 exam measures a candidate's ability to design advanced enterprise networks using Cisco technologies and solutions. Passing 300-420 exam is a prerequisite for the CCNP Enterprise certification.

## Cisco Designing Cisco Enterprise Networks Sample Questions (Q98-Q103):

### NEW QUESTION # 98

An engineer is designing a QoS solution for a campus. The design must guarantee real-time traffic delivery during congestion, minimize the bandwidth consumption for possible virus or worm attacks, and reduce flooding of excessive traffic during times of congestion. Which two solutions must the engineer select?

(Choose two.)

- A. Create a policing policy to drop excessive traffic and a strict queue for real-time traffic.
- B. Create a scavenger queue for excessive traffic and a strict queue for real-time traffic
- C. Apply queuing on the access to distribution links.
- D. Apply queuing on the distribution to core links
- E. Create a shaping policy to drop excessive traffic and a strict queue for real-time traffic.

**Answer: A,C**

### NEW QUESTION # 99

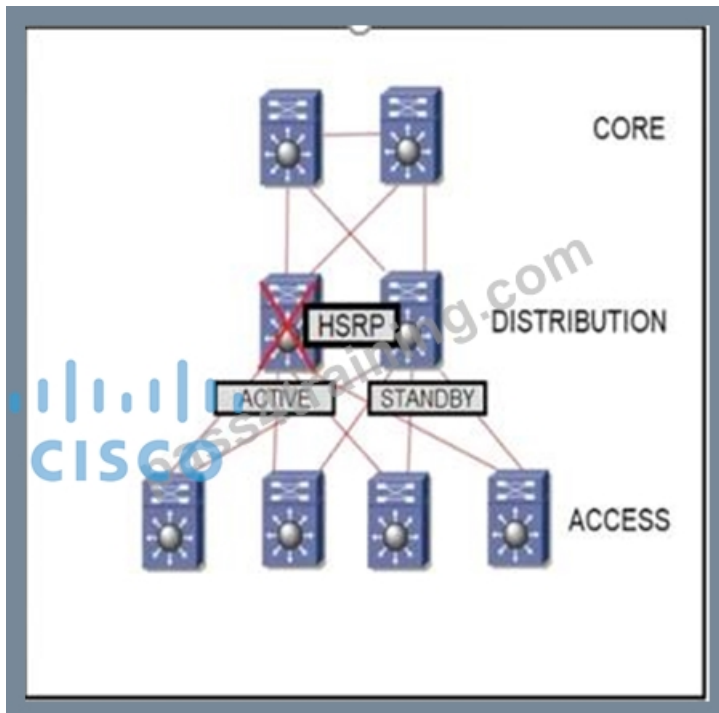
Company A recently acquired another company. Users of the newly acquired company must be able to access a server that exists on Company A's network, both companies use overlapping IP address ranges. Which action conserves IP address space and provides access to the server?

- A. Build one-to-one NAT translation for every user that needs access
- **B. Use a single IP address to create overload NAT**
- C. Use a single IP address to create a static NAT entry
- D. Re-IP overlapping address space in the acquired company

**Answer: B**

### NEW QUESTION # 100

Refer to the exhibit.



Refer to the exhibit. The distribution switches serve as the layer 3 boundary. HSRP preemption is enabled. When the primary switch comes back after a failure, traffic is initially dropped. Which solution must be implemented to improve the design?

- A. Increase the hello timers on both HSRP devices
- B. Configure a higher mac-refresh interval on both HSRP devices
- **C. Use the preempt delay feature on the primary HSRP device.**
- D. Use the preempt delay feature on the backup HSRP device

**Answer: C**

### NEW QUESTION # 101

Which encoding languages are supported in NETCONF compared to RESTCONF?

- **A. NETCONF supports XML, and RESTCONF supports XML and JSON.**
- B. NETCONF supports XML and JSON, and RESTCONF supports XML.
- C. NETCONF supports XML, and RESTCONF supports JSON.
- D. NETCONF supports JSON, and RESTCONF supports XML.

**Answer: A**

Explanation:

NETCONF supports XML, while RESTCONF supports both XML and JSON. Cisco programmability documentation describes NETCONF as an XML-based protocol that exchanges RPC requests and replies such as get, get-config, and edit-config using XML encoding. NETCONF is tightly aligned with YANG-modeled data, but the protocol message format itself is XML. RESTCONF exposes YANG-modeled data through an HTTP or HTTPS API and can represent payloads in XML or JSON. Cisco DevNet material commonly summarizes the comparison as NETCONF equals XML, while RESTCONF equals XML or JSON. That is why option D is accurate. Option A is wrong because NETCONF does not use JSON in the same way

RESTCONF does. Option B is incomplete because RESTCONF is not limited to JSON. Option C reverses the protocol encodings. This distinction matters in automation design because tool selection, content type, parsing, and API workflows differ by protocol. Reference topics: NETCONF, RESTCONF, YANG, XML encoding, JSON encoding, model-driven programmability.

### NEW QUESTION # 102

An engineer is designing a BGP network for a large customer. To permit efficient scaling, the BGP domain is split into clusters. Which peering solution should be used between the route reflectors in different clusters for the BGP routes to be propagated appropriately?

- A. The route reflectors should not have any kind of BGP peering.
- B. The route reflectors should have peering through another nonclient router.
- C. The route reflectors should be nonclients with regards to each other.
- D. The route reflectors should be made dents of each other.

**Answer: C**

Explanation:

The route reflectors should have peering through another nonclient router.

This approach involves using a nonclient route reflector to facilitate peering between route reflectors in different clusters.

The nonclient route reflector serves as a mediator or a transit point for BGP route information between clusters.

This method helps maintain a scalable and hierarchical design because you don't need a full mesh of BGP peerings between route reflectors in different clusters.

### NEW QUESTION # 103

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