



# 300-420<sup>Q&As</sup>

Designing Cisco Enterprise Networks (ENSLD)

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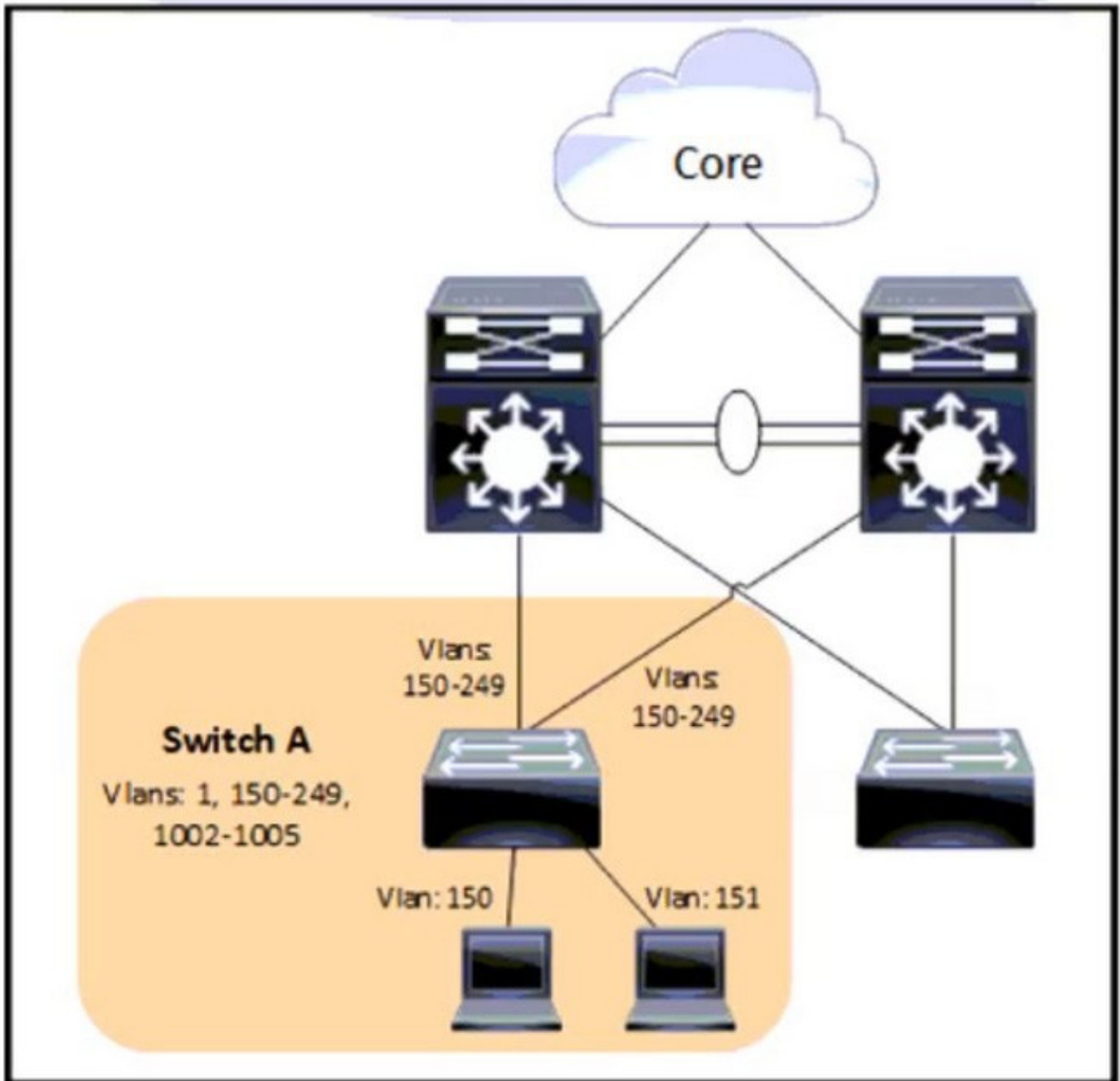
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**QUESTION 1**

Refer to the exhibit An engineer working for a telecommunication company with an employee ID 4449:30 959 Is calculating STP scalability for switches to ensure that the numbers are below the maximum supported value for STP logical ports



How many logical interfaces are active for switch A?

A. 4

B. 307



C. 202

D. 100

Correct Answer: C

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## QUESTION 2

Which two options are primary functions of Cisco ISE? (Choose two.)

- A. enforcing endpoint compliance with network security policies
- B. enabling WAN deployment over any type of connection
- C. automatically enabling, disabling or reducing allocated power to certain devices
- D. providing information about every device that touches the network
- E. providing encryption for any type of mobile devices
- F. allocating cloud resources

Correct Answer: AD

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## QUESTION 3

An engineer must design a solution to provide backup connectivity between two sites. The engineer plans to use an Internet connection but company policy requires the connection to be encrypted.

Additionally, there are several applications that utilize multicast to deliver video streams between the sites. Which technology should the design include?

- A. GRE over IPsec
- B. IPsec direct encapsulation
- C. GETVPN
- D. DMVPN

Correct Answer: A

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## QUESTION 4

A company uses cloud-based applications for voice and video calls, file sharing, content sharing, and messaging. During business hours, these applications randomly become slow and unresponsive. However, other applications work smoothly with the current applied QoS policies. Which solution must the company choose to resolve the issue?

- A. Identify the applications with NBAR2 and allocate the required bandwidth accordingly.



- B. Identify the port used by each application and apply a minimum bandwidth guarantee.
- C. Identify the applications and reserve the required bandwidth on the perimeter routers.
- D. Identify the application ports, create groupings, and rate-limit the required bandwidth.

Correct Answer: A

Explanation: using NBAR to identify application and bandwidth usage, then adjust existing QoS policies would be a more simple option. Of course, B is still ok if the network admin know all traffic and bandwidth consumption by other tools, say netflow. [https://www.cisco.com/c/en/us/td/docs/ios-xml/ios/qos\\_nbar/configuration/15-mt/qos-nbar-15-mt-book/nbar-protocol-discvry.html#GUID-ED1AEDA1-AE69-45C3-A77E-2AF881CA9C36](https://www.cisco.com/c/en/us/td/docs/ios-xml/ios/qos_nbar/configuration/15-mt/qos-nbar-15-mt-book/nbar-protocol-discvry.html#GUID-ED1AEDA1-AE69-45C3-A77E-2AF881CA9C36) <https://www.cisco.com/c/en/us/products/ios-nx-os-software/network-based-application-recognition-nbar/index.html>

## QUESTION 5

When IPsec VPNs are designed, what is a unique requirement if support for IP Multicast is required?

- A. encapsulation of traffic with GRE or VTI
- B. IPsec forwarding using transport mode
- C. additional bandwidth for headend
- D. IPsec forwarding using tunnel mode

Correct Answer: A

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