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Cisco 800-150 Exam Syllabus Topics:

Topic	Details
Topic 1	<ul style="list-style-type: none">• Networking Foundations: This section of the exam measures the skills of a Network Engineer and covers the basic building blocks of computer networking. It explains different types of networks like local area networks and wireless networks, and introduces lightweight wireless LANs. It describes the layers of communication models like the OSI model and TCP• IP stack, and explains how data moves across networks. It also discusses the physical cabling used in networks, such as Ethernet and fiber optics. Students will learn about network switching, IP addressing, subnetting, and routing at Layer 3. The section also introduces Cisco's campus network devices, data center switches, UCS servers, and collaboration devices, describing their roles and functions in the network.
Topic 2	<ul style="list-style-type: none">• Common Service Tasks and Tools: This section of the exam measures the skills of a Technical Support Engineer and focuses on tasks commonly needed to manage Cisco devices. It explains how devices boot up, introduces common Cisco IOS commands, and identifies tools for file management. It shows how to confirm physical connections, remotely access devices, and connect to the console port. It also covers how to capture the status of a device, recover passwords, and replace devices by using proper tools. Students are also taught how to find serial numbers on Cisco equipment to assist with support and maintenance activities.
Topic 3	<ul style="list-style-type: none">• Cisco Software: This section of the exam measures the skills of a Network Engineer and discusses Cisco's software systems and licensing. It explains the difference between IOS install and bundle modes and gives an overview of different licensing models. Students learn how to manage Cisco software images, including backing up, transferring, and installing images via FTP, TFTP, or USB. It also covers how to handle configuration files to keep devices running properly and ensure smooth upgrades or replacements.

Topic 4	<ul style="list-style-type: none"> • Cisco UCS and Data Center Architecture: This section of the exam measures the skills of a Data Center Engineer and introduces Cisco's UCS and data center solutions. It explains the devices found in a data center, including switches, UCS servers, and director switches, and describes different server deployment models. Students will also learn about virtualization components like virtual machines, hypervisors, cloud computing concepts, and deployment models. The section covers how Cisco UCS devices fit into campus networks, edge locations, and data centers, and explains the key components and connections used in UCS architecture.
Topic 5	<ul style="list-style-type: none"> • Cisco Infrastructure and Collaboration Infrastructure: This section of the exam measures the skills of a Collaboration Engineer and focuses on Cisco infrastructure devices, endpoints, and collaboration technologies. It introduces network devices, collaboration endpoints like IP phones and video systems, and explains on-premises collaboration deployments using tools like Cisco Unified Communications Manager. It also covers how video systems integrate into collaboration environments and highlights Cisco's cloud services for enterprise communication, including Webex Meetings, Webex Teams, and hosted collaboration solutions.

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Quiz Cisco Pass-Sure 800-150 - New Supporting Cisco Devices for Field Technicians Exam Notes

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Cisco Supporting Cisco Devices for Field Technicians Sample Questions (Q43-Q48):

NEW QUESTION # 43

What is the primary advantage of the Cisco Intersight cloud-based approach compared to traditional on-premises management tools?

- A. It offers better integration with non-Cisco products
- B. It provides faster hardware upgrades
- C. It requires less local storage
- **D. It allows management from anywhere without on-premises software**

Answer: D

Explanation:

The main advantage of Cisco Intersight is its cloud-based architecture, which allows IT administrators to manage infrastructure from any location without needing to install or maintain traditional on-premises management tools.

This provides:

- * Centralized visibility and control over UCS servers and HyperFlex infrastructure
- * Remote firmware upgrades and configuration
- * Policy-driven automation

Unlike on-premises tools, Intersight eliminates the overhead of maintaining dedicated infrastructure for management.

Reference: Supporting Cisco Devices for Field Technicians (FLDTEC) - Cisco Licensing and Smart Licensing

NEW QUESTION # 44

Which two features are managed by the hardware and software of the collaboration infrastructure? (Choose two.)

- **A. Supporting meeting experiences**
- B. Phone book administration

- C. Facilitating connections
- D. Network bandwidth allocation
- E. Hosting large-scale databases

Answer: A,C

Explanation:

The Cisco Collaboration Infrastructure is designed to support unified communications, video conferencing, and team collaboration through an integrated architecture involving both hardware (e.g., endpoints, media servers) and software (e.g., CUCM, Webex apps).

According to the FLDTEC course content under Cisco Collaboration Equipment and Infrastructure:

Facilitating Connections (C):

Cisco infrastructure components such as CUCM, Expressway, and Cisco Meeting Server enable real-time connections between users across voice, video, and messaging systems.

Supporting Meeting Experiences (E):

Devices such as Webex Boards, Room Kits, and Cisco Quad Cameras, in combination with platforms like Webex, provide immersive and seamless meeting experiences, supported by the infrastructure.

Incorrect Options:

A: Network bandwidth allocation: Typically managed by network QoS policies and WAN optimizations, not the collaboration infrastructure directly.

B: Hosting large-scale databases: Not a function of Cisco's collaboration system - this falls under data center or database server roles.

D: Phone book administration: Often a function within directory services or external LDAP integration, not a core collaboration infrastructure task.

NEW QUESTION # 45

Which Layer 2 technology extends to access layer devices, allowing individual switch ports to be assigned for network and traffic management in an enterprise network?

- A. MPLS
- B. OSPF
- C. VLANs
- D. BGP

Answer: C

Explanation:

In an enterprise network, Virtual Local Area Networks (VLANs) are the key Layer 2 technology used to logically segment a network into multiple broadcast domains. VLANs allow network administrators to assign individual switch ports to specific VLANs, enabling effective network segmentation and traffic management.

This configuration extends to access layer devices, such as switches where end-user devices connect. By isolating traffic into VLANs, administrators can improve network performance, enhance security by separating sensitive departments (such as finance and HR), and simplify network management.

Unlike routing protocols such as BGP and OSPF, which operate at Layer 3, or MPLS, which is a Layer 2.5 forwarding technology used primarily in service provider networks, VLANs are explicitly designed for Layer 2 segmentation within LAN environments.

Reference: Supporting Cisco Devices for Field Technicians (FLDTEC) - Cisco Equipment and Related Hardware

NEW QUESTION # 46

Which command prompt commands provide the most thorough network diagnostic information when troubleshooting connectivity issues between a Windows PC and a Cisco device?

- A. `ipconfig /all`
`ping`
- B. `netstat -a`
`netsh wlan show interfaces`
`ipconfig /release`
`ipconfig /renew`
- C. `nslookup`

- arp -a
- route print
- D. ping
- tracert
- netstat

Answer: A

Explanation:

When diagnosing network connectivity issues between a Windows PC and a Cisco device, the combination of `ipconfig /all` and `ping` commands provides comprehensive information:

* `ipconfig /all`: Displays detailed IP configuration information, including IP addresses, subnet masks, default gateways, DNS servers, and MAC addresses for all network adapters. This information is crucial for verifying correct network settings.

* `ping`: Tests the reachability of a host on an IP network and measures the round-trip time for messages sent from the originating host to a destination computer. It's a fundamental tool for checking connectivity between devices.

While other commands like `netstat`, `tracert`, `nslookup`, `arp -a`, and `route print` provide valuable information, `ipconfig /all` and `ping` are typically the first and most informative commands used in initial troubleshooting steps.

Reference: Supporting Cisco Devices for Field Technicians (FLDTEC) - Troubleshooting Methodologies

NEW QUESTION # 47

Drag and drop the characteristics from the left onto the corresponding categories of MDS switch on the right.

scalable and expandable design

suitable for small deployments

enterprise-class performance

high port densities

fixed number of ports

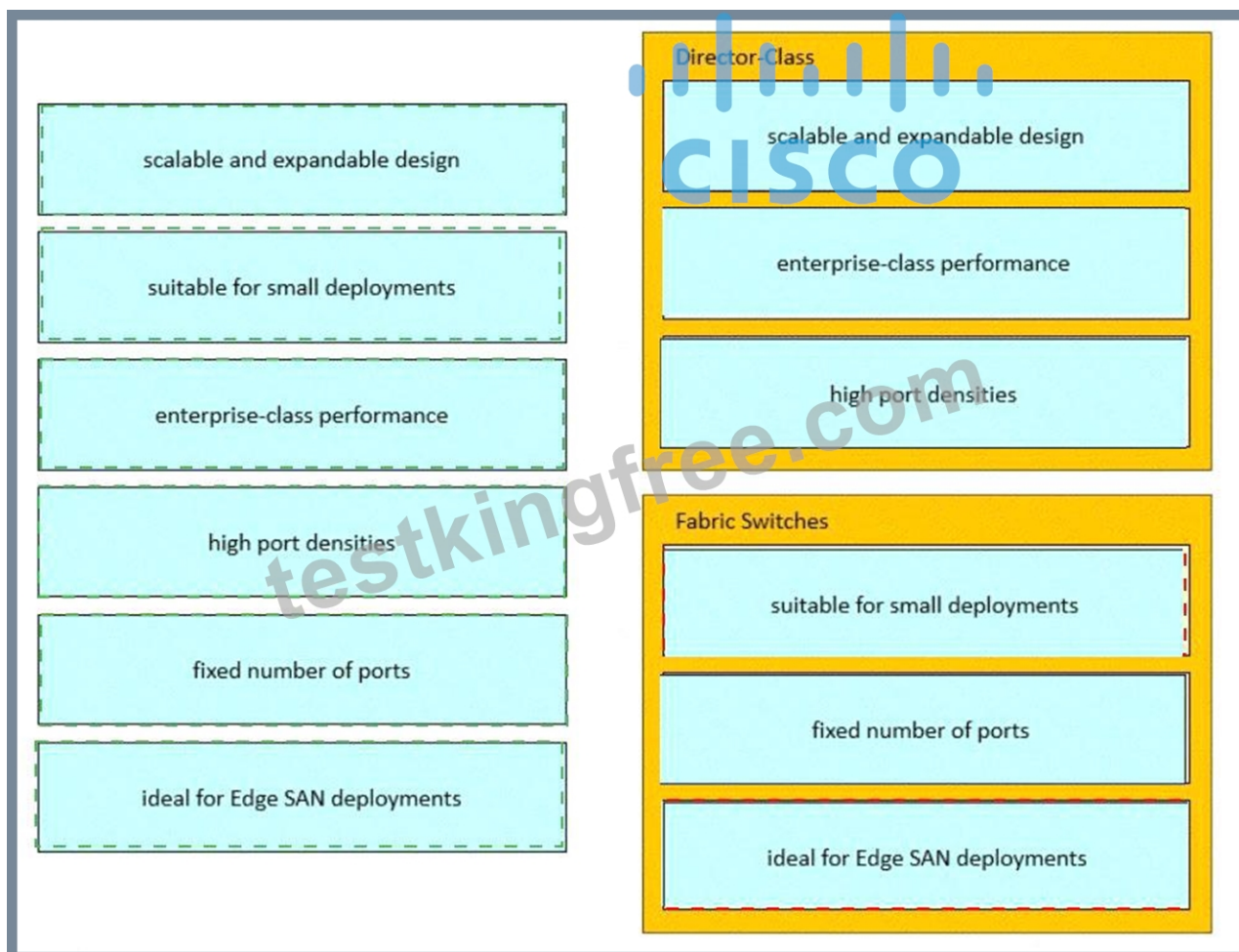
ideal for Edge SAN deployments

Director-Class

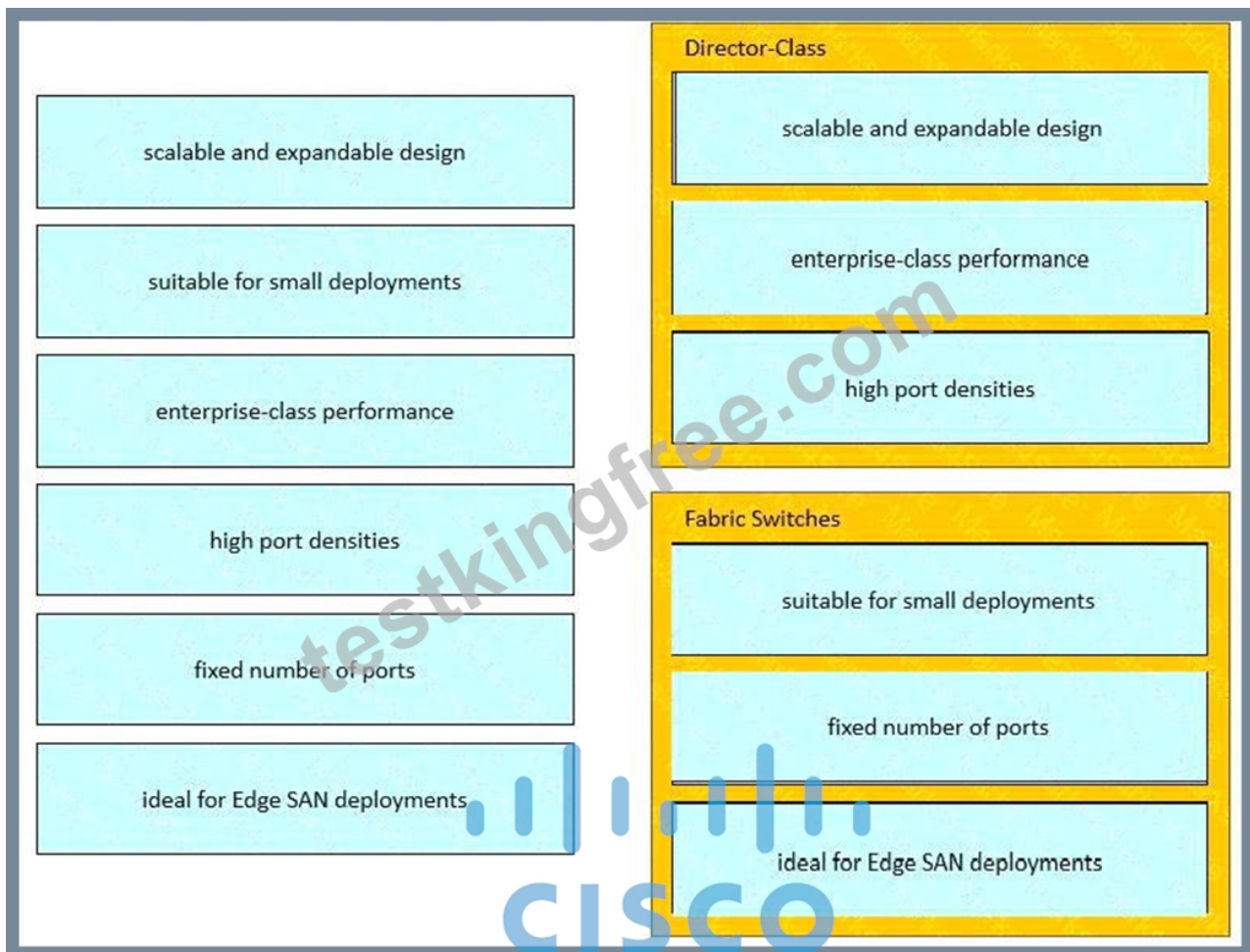
Fabric Switches

Answer:

Explanation:



Explanation:



Cisco MDS switches are segmented into two key categories: Director-Class and Fabric Switches, each tailored for different SAN environments:

Director-Class Switches (e.g., Cisco MDS 9700 Series):

Modular and highly scalable

Support hot-swappable components (line cards, supervisors, fabric modules) High port density and performance for core SANs in enterprise data centers

Fabric Switches (e.g., Cisco MDS 9148T):

Compact, fixed-form factor

Best suited for smaller SANs or edge locations

Cost-effective and simple to deploy

This distinction is important when selecting hardware for data center core vs access layers in SAN architectures.

NEW QUESTION # 48

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