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Cisco 800-150 Exam Syllabus Topics:

Topic	Details
Topic 1	<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 2	<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 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 Hardware Replacement: This section of the exam measures the skills of a Technical Support Engineer and teaches how to safely and correctly replace Cisco hardware. It explains safety procedures such as creating safe work zones and handling electrostatic discharge. Students learn the step-by-step processes to replace a wide range of Cisco devices, from switches and routers to firewalls, UCS servers, and collaboration endpoints. It also covers configuring Cisco NX-OS software, including understanding operating modes, boot procedures, and password recovery, and introduces Cisco collaboration endpoint solutions like IP phones and video systems.
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800-150 Valid Test Online - 800-150 New Dumps Questions

The web-based 800-150 practice test is accessible via any browser. This 800-150 mock exam simulates the actual Cisco 800-150 exam and does not require any software or plugins. Compatible with iOS, Mac, Android, and Windows operating systems, it provides all the features of the desktop-based 800-150 Practice Exam software.

Cisco Supporting Cisco Devices for Field Technicians Sample Questions (Q73-Q78):

NEW QUESTION # 73

Drag and drop the Cisco collaboration endpoints from the left onto the corresponding descriptions on the right.

Answer:

Explanation:

Explanation:

- * Cisco Room Kit# All-in-one devices for personal workspaces and meeting rooms
- * Cisco Desk Series# Standalone modular video conferencing systems
- * Quad Camera# Multi-angle video capture for immersive experiences
- * Room Navigator# Touch panel for room controls and scheduling
- * Cisco Board# Interactive touchscreen displays supporting video conferencing Cisco's collaboration portfolio includes a wide variety of hardware endpoints used to enhance remote communication and conference room experiences. These are highlighted in the FLDTEC material as follows:
 - * Cisco Room Kit: Combines camera, codec, speakers, and microphones into one device - designed for easy integration with displays in meeting spaces.
 - * Cisco Desk Series: Purpose-built for desktop video conferencing and modular setups.
 - * Quad Camera: Offers automatic speaker tracking and intelligent framing, used in large rooms for immersive experiences.
 - * Room Navigator: Used to control meetings, reserve rooms, and manage smart building functions.
 - * Cisco Board: Interactive digital whiteboard that integrates video conferencing, whiteboarding, and wireless sharing.

NEW QUESTION # 74

Which function does the Stack Port 1 serve on a Cisco Meraki switch?

- A. It connects to the Stack Port 2 of the previous switch in a stack configuration.
- B. It connects to the Stack Port 2 of the next switch in a stack configuration.
- C. It provides a dedicated uplink to the Meraki cloud for management.
- **D. It serves as a high-speed interconnect for clustered switches.**

Answer: D

Explanation:

On Cisco Meraki switches, Stack Port 1 (along with Stack Port 2) is used to form a physical stacking connection between multiple switches. These stack ports are dedicated high-speed interconnects that enable multiple switches to operate as a single logical switch. The stacking topology depends on the number of switches, but Stack Port 1 serves as one side of this high-speed inter-switch communication channel - not for management or cloud access.

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

NEW QUESTION # 75

Which protocol should be analyzed when troubleshooting call quality between IP phones?

- A. SCCP
- B. SIP
- C. H.323
- **D. RTP**

Answer: D

Explanation:

When addressing call quality issues between IP phones, the Real-time Transport Protocol (RTP) is the primary protocol to analyze. RTP is responsible for the actual transmission of voice data during a call, and its performance directly impacts call quality.

Key factors affecting RTP and, consequently, call quality include:

- * Packet Loss: Missing packets can lead to audio gaps.
- * Jitter: Variations in packet arrival times can cause choppy audio.
- * Latency: Delays in packet delivery can result in noticeable lag.

Analyzing RTP streams allows technicians to identify these issues and implement appropriate Quality of Service (QoS) measures to mitigate them.

In contrast:

- * SIP (Session Initiation Protocol): Handles call setup, modification, and teardown but not the media stream.
 - * SCCP (Skinny Client Control Protocol): A Cisco proprietary protocol for signaling, not media transport.
 - * H.323: An older protocol suite for multimedia communication, encompassing both signaling and media, but less commonly used in modern IP telephony.
- Reference: Supporting Cisco Devices for Field Technicians (FLDTEC) - Troubleshooting Methodologie

NEW QUESTION # 76

Which operating system powers the Cisco Nexus series of switches and is optimized for modern data center deployments?

- **A. NX-OS**
- B. IOS XR
- C. IOS
- D. IOS XE

Answer: A

Explanation:

Cisco NX-OS is the operating system specifically developed for Cisco Nexus series switches, which are widely used in modern data centers. NX-OS is optimized for scalability, high availability, and virtualization features.

It differs from IOS and IOS XE (used in traditional routers and switches) and IOS XR (used in carrier-grade platforms). NX-OS includes advanced features such as Virtual Port Channels (vPC), FabricPath, and integrated Layer 2/3 capabilities tailored for data center networks.

NEW QUESTION # 77

What is the main advantage of using Bundle mode when installing Cisco IOS XE Software on a switch?

- A. Automatic creation of the packages.conf file
- B. Ability to install and upgrade packages independently
- C. Faster boot times compared to Install mode
- **D. Simplicity, with no need to manage individual packages**

Answer: D

Explanation:

Bundle mode simplifies the installation and operation of Cisco IOS XE Software by using a monolithic image file. In this mode, the switch runs directly from the bundled image, eliminating the need to manage individual software packages. This approach is straightforward and reduces complexity, making it suitable for environments where simplicity is a priority.

However, it's important to note that:

- * Bundle mode may result in slower boot times compared to Install mode.

