Exam Cisco 800-150 Blueprint | 800-150 Test Registration

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Cisco 800-150 Exam Syllabus Topics:

Topic	Details
Topic 1	• 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.
Topic 2	• 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 3	• 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.
Topic 4	• 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	• 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.

800-150 Test Registration - 800-150 Interactive Questions

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Cisco Supporting Cisco Devices for Field Technicians Sample Questions (Q68-Q73):

NEW QUESTION # 68
Which Cisco switch series is designed to handle the combined responsibilities of core and distribution layers in a converged architecture?

- A. Catalyst 1300 Series
- B. Catalyst 6500 E-Series
- C. Meraki MS400 Series
- D. Catalyst 9000 Series

Answer: D

Explanation:
The Cisco Catalyst 9000 Series is engineered to address the evolving needs of modern enterprise networks by integrating the functionalities of both the core and distribution layers into a unified, converged architecture. This series offers advanced capabilities such as high-speed data forwarding, enhanced security features, and support for automation and programmability, making it suitable for scalable and efficient network designs.
The Catalyst 9000 Series includes models like the Catalyst 9500 and 9600, which are optimized for core and distribution roles, providing high throughput and reliability. These switches support advanced features like Software-Defined Access (SD-Access) and are designed to meet the demands of cloud-scale and security-focused environments.
In contrast, the Meraki MS400 Series (Option A) is tailored for cloud-managed aggregation and lacks the comprehensive feature set required for core functionalities. The Catalyst 6500 E-Series (Option B), while historically significant, is considered a legacy platform and may not support the latest advancements in network convergence. The Catalyst 1300 Series (Option C) is designed for small to medium-sized businesses and is not intended for core or distribution layer deployments.

NEW QUESTION # 69
Refer to the exhibit. Drag and drop the names of the field-replaceable units from the left onto the corresponding letters on the image of the Cisco Catalyst 9400 modular switch.

Answer:

Explanation:

NEW QUESTION # 70
Which command is used to specify the source for the Cisco IOS software image to load during the boot process?

- A. boot source
- B. boot image
- C. boot ios
- D. boot system

Answer: D

Explanation:
Theboot systemcommand is used in globalconfiguration mode to specify the source and filename of the Cisco IOS software image that should be loaded during the device's boot process. This command ensures that the device loads a specific IOS image, whether it's stored locally in flash or fetched from a TFTP server.
Syntax example:
boot system flash:c1900-universalk9-mz.SPA.157-3.M3.bin
* boot image,boot ios, andboot sourceare invalid or non-existent in standard Cisco IOS.
Reference:Supporting Cisco Devices for Field Technicians (FLDTEC) -Cisco IOS Software Basics

NEW QUESTION # 71
Which deployment scenarios are Cisco 8000 Series routers primarily designed for?

- A. small business and home office networks
- B. campus LAN access and distribution layers
- C. service provider and web-scale networks
- D. remote branch offices and retail locations

Answer: C

Explanation:
Cisco 8000Series routers are primarily designed for service provider and web-scale networks, offering high- performance routing capabilities to handle large-scale, high-bandwidth environments typically found in service provider infrastructures and data centers.
The Cisco 8000 Series routers are part of Cisco's high-performance routing portfolio. As documented in the official Cisco product and FLDTEC study materials:
Cisco 8000 Series routers are purpose-built for service provider and cloud-scale datacenters.
They are designed to support massive bandwidth, 5G core, and edge routing demands.
These routers provide scalable, high-performance architecture, using Cisco Silicon One ASICs, enabling terabits of throughput with advanced telemetry and network programmability.
Why the other options are incorrect:
A:Remote branches and retail typically use ISR/ASR 1000/1100 Series.
C:Home or small business networks use Cisco RV Series or Meraki MX Series.
D:LAN access/distribution layers in campuses commonly use Catalyst 9000 Series switches or ISR routers, not high-end core routers.
The 8000 Series is typically found in service provider core, data center interconnect, and hyperscale cloud deployments (e.g., Google, Meta, AWS).

NEW QUESTION # 72
Which step must be performed immediately after disconnecting the network cable when replacing an SFP transceiver module?

- A. Reinstall dust plugs in the optical bores.
- B. Observe the port status LED.
- C. Disconnect the SFP latch.
- D. Install the replacement SFP module.

Answer: A

Explanation:
After disconnecting the network cable from an SFP transceiver, theimmediate next step is to reinstall the dust plugsinto the optical

bores. This action prevents contamination from dust or debris that can damage the optical interfaces or degrade performance. It's important to protect the exposed optical port before handling the rest of the transceiver module. Dust plugs help maintain the integrity of the component until a new cable or module is connected.
Reference:Supporting Cisco Devices for Field Technicians (FLDTEC) - Maintenance and RMA Procedures

NEW QUESTION # 73
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