

2025 New 800-150 Exam Bootcamp : Supporting Cisco Devices for Field Technicians Realistic 800-150 100% Pass



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Cisco 800-150 Exam Syllabus Topics:

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

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Cisco Supporting Cisco Devices for Field Technicians Sample Questions (Q29-Q34):

NEW QUESTION # 29

Why is a Cisco Nexus switch typically deployed in a network?

- A. As edge routers connecting to ISPs
- B. In branch offices for local area networking
- C. In data centers for high-performance, low latency switching
- D. As wireless accesspoints in enterprise campuses

Answer: C

Explanation:

Cisco Nexus switches are specifically designed for deployment in data centers, where they provide high-performance, low-latency switching to support modern workloads, virtualization, and cloud computing environments.

Nexus switches operate using NX-OS, a purpose-built operating system optimized for data center needs.

These switches support technologies like virtual port channels (vPC), FabricPath, and Application Centric Infrastructure (ACI), which are essential for scalable and highly available data center networks.

They are not typically used in branch offices, as wireless access points, or as edge routers.

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

NEW QUESTION # 30

Which two actions ensure a smooth transition to the new hardware when replacing a Cisco UCS C-Series Rack-Mount Server? (Choose two.)

- A. Reconfigure the DHCP server to assign a new IP address to the replacement server.
- B. Decommission the server if it is integrated in a Cisco UCS domain.

- C. Update the firmware on the fabric interconnects.
- D. Temporarily disable all firewalls during the replacement process.
- E. Back up the server configuration using Cisco Integrated Management Controller.

Answer: B,E

Explanation:

To ensure a smooth replacement of a Cisco UCS C-Series Rack-Mount Server, two critical actions are:

* Back up the server configuration using the Cisco Integrated Management Controller (CIMC):

This preserves all configuration data such as BIOS settings, RAID setup, and network configuration.

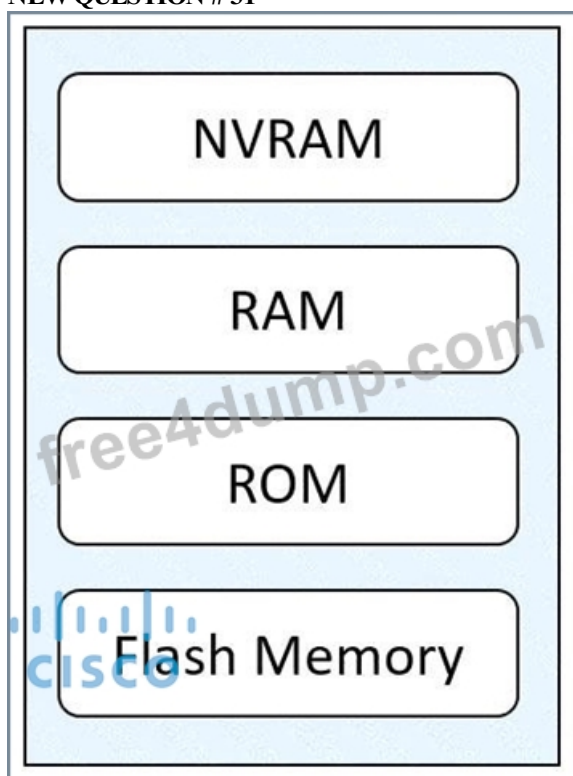
After replacing the hardware, this configuration can be restored to minimize setup time.

* Decommission the server if it is integrated in a Cisco UCS domain: Before physically replacing the server, decommissioning it ensures the UCS Manager properly releases it from the inventory, preventing configuration conflicts or orphaned profiles.

Other options, like reconfiguring DHCP or disabling firewalls, are not required procedures for a UCS C-Series hardware swap.

Reference: Supporting Cisco Devices for Field Technicians (FLDTEC) - Maintenance and RMA Procedures

NEW QUESTION # 31



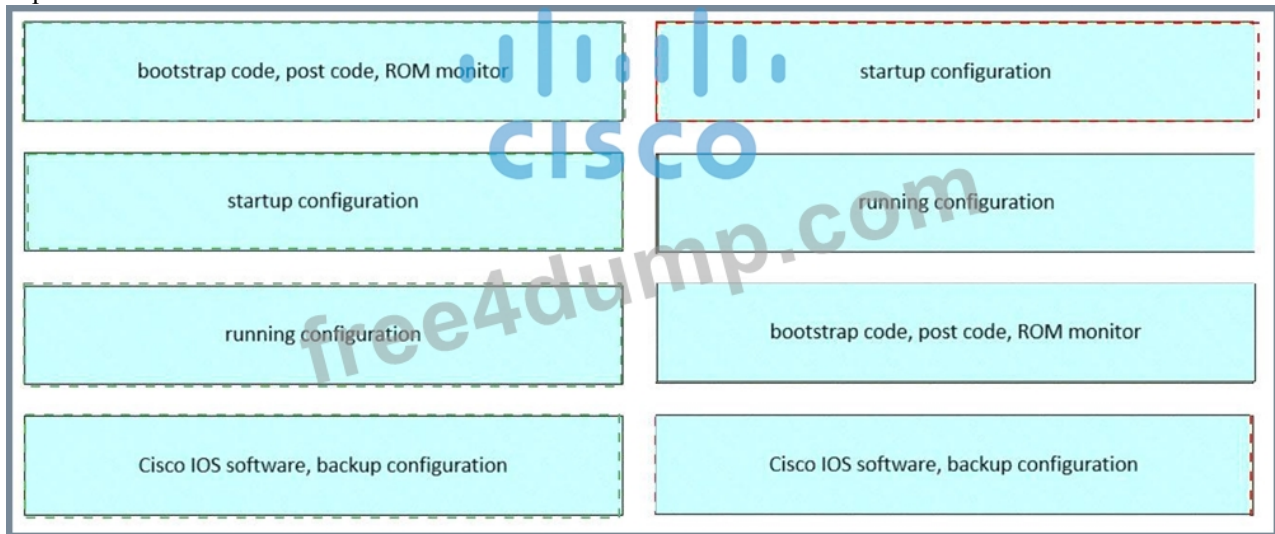
Refer to the exhibit. Drag and drop the functions from the left onto the corresponding internal memory components on the right.

bootstrap code, post code, ROM monitor	NVRAM
startup configuration	RAM
running configuration	ROM
Cisco IOS software, backup configuration	flash memory

The diagram shows a matching exercise. On the left, there are four light blue boxes containing functions. On the right, there are four yellow boxes containing memory components. The functions are: 'bootstrap code, post code, ROM monitor', 'startup configuration', 'running configuration', and 'Cisco IOS software, backup configuration'. The memory components are: 'NVRAM', 'RAM', 'ROM', and 'flash memory'. A large, semi-transparent watermark 'free4dump.com' is overlaid diagonally across the matching area.

Answer:

Explanation:



Explanation:

NVRAM # Startup configuration

RAM # Running configuration

ROM # Bootstrap code, POST code, ROM monitor

Flash memory # Cisco IOS software, backup configuration

Each memory type in a Cisco device serves a specific function in the boot process and runtime operation.

NVRAM retains configuration across reboots, RAM is volatile and holds active configs, ROM handles initial boot tasks, and flash stores the operating system.

This content is covered thoroughly in "Cisco Equipment and Related Hardware" in the FLDTEC curriculum. Here's the breakdown:

ROM (Read-Only Memory)

- * Stores bootstrap code, POST (Power-On Self-Test), and ROM Monitor.
- * These are essential for the device's initial power-on operations and recovery modes.

NVRAM (Non-Volatile RAM)

- * Holds the startup configuration file, which is loaded during the boot process.
- * Content remains intact after a reboot or power cycle.

RAM (Random Access Memory)

- * Stores the running configuration and current operational state of the router or switch.
- * Also used for routing tables, ARP cache, and packet buffers.
- * Data is lost when the device is powered off or rebooted.

Flash Memory

- * Contains the Cisco IOS image, system files, and can store backup configurations.
- * It is a non-volatile storage, so it retains data after reboots.

NEW QUESTION # 32

What does OIR stand for in the context of Cisco ASR component replacement?

- A. Offline Installation and Reboot
- **B. Online Insertion and Removal**
- C. Operational Interface Redundancy
- D. Optical Interface Routing

Answer: B

Explanation:

Online Insertion and Removal (OIR) is a feature supported by Cisco ASR routers that allows for the insertion and removal of hardware components, such as line cards and modules, while the router is operating.

This capability enables maintenance and upgrades without the need to power down the system, thus minimizing network downtime.

Key aspects of OIR include:

- * **Seamless Operation:** OIR allows for hardware changes without interrupting the router's operation.
- * **Preservation of Routing Information:** The router maintains all routing information and active sessions during the insertion or removal.

process.

* Administrative Shutdown: While not mandatory, it is recommended to administratively shut down the interfaces associated with the component being removed to ensure a graceful transition.

This feature is particularly beneficial in high-availability environments where maintaining continuous network service is critical.

Reference: Supporting Cisco Devices for Field Technicians (FLDTEC) - Maintenance and RMA Procedures

NEW QUESTION # 33

Drag and drop the tools from the left onto the corresponding primary functions on the right.

Answer:

Explanation:



Explanation:

In the FLDTEC curriculum, technicians are trained on physical tools essential for support in the field. These tools and their uses are explained as follows:

* Flash Card Reader: Used with removable CompactFlash cards commonly found in older Cisco routers and switches. These cards hold the IOS image or config files.

* USB Thumb Drive: Used for transferring IOS files or configs directly to and from Cisco devices that support USB storage. Convenient for portable backups.

* RJ-45 Ethernet Loopback Connector: A diagnostic tool that loops the signal back into the port. Helps verify port functionality by simulating a live Ethernet connection.

* RJ-45 Coupler: Allows two patch cables to be connected, effectively extending the reach of a cable - useful in setups where a single cable is not long enough.

NEW QUESTION # 34

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