



Cisco

Exam Questions 800-150

Supporting Cisco Devices for Field Technicians

NEW QUESTION 1

DRAG DROP

Drag and drop the network connectivity and management tools used to ensure connectivity from the left onto the description on the right.

SSH	sends ICMP echo request packets to verify connectivity
Telnet	allows virtual terminal connections with unencrypted traffic
PING	provides secure, encrypted remote access to network devices
IP address configuration	requires the PC and Cisco device to be in the same subnet for direct connection

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

PING ?? Sends ICMP echo request packets to verify connectivity

Telnet ?? Allows virtual terminal connections with unencrypted traffic

SSH ?? Provides secure, encrypted remote access to network devices

IP address configuration ?? Requires the PC and Cisco device to be in the same subnet for direct connection

These tools and their functions are covered under ??Device Configuration and Verification?? in the

FLDTEC course:

PING: Utilized to test basic network connectivity using ICMP echo request/reply messages. It confirms whether a device is reachable and measures the round-trip time.

Telnet: A protocol that allows for remote device access but transmits data in plaintext, which makes it insecure. It's typically disabled by default on modern Cisco devices due to security concerns.

SSH (Secure Shell): Replaces Telnet as the preferred method for secure CLI access. It encrypts the session, protecting sensitive information such as login credentials.

IP Address Configuration: For direct device access via the same local network, both the PC and the Cisco device must be in the same subnet. This allows the use of tools like browser-based GUIs or terminal emulators when connecting directly.

NEW QUESTION 2

How many bits are borrowed from the default host portion of the address to create subnets in a Class B network with a subnet mask 255.255.255.0?

- A. 3 bits
- B. 5 bits
- C. 3 bits
- D. 8 bits

Answer: D

NEW QUESTION 3

Which common CLI command is used to install Cisco NX-OS Software?

- A. copy tftp: running-config
- B. install all
- C. install kickstart
- D. boot system

Answer: B

NEW QUESTION 4

What is the purpose of the packages.conf file in Install mode on Cisco IOS XE Software supported switches?

- A. It is used to extract the bin file during the installation process.
- B. It determines which software packages need to be loaded and in what order during boot up.
- C. It contains the entire bundled software image in a single file.
- D. It is a subdirectory in flash memory where individual software packages are stored.

Answer: B

NEW QUESTION 5

Which action must be taken before powering down the endpoint during thereplacement process of a Cisco collaboration device?

- A. Reset the device to factory settings.
- B. Back up the configuration.
- C. Activate the new device.
- D. Install the new hardware.

Answer: B

NEW QUESTION 6

Which cable type should be used when installing replacement hardware and connecting two devices of the same type, like two DTEs or two DCEs?

- A. USB Type A to Type B cable
- B. Rolled RJ-45 to RJ-45 console cable
- C. RJ-45 Ethernet straight-through patch cable
- D. RJ-45 Ethernet crossover patch cable

Answer: D

NEW QUESTION 7

What is the recommended resistance value range to ensure proper grounding when using an antistatic strap to perform work on electrical components?

- A. Between 0.1 and 1 megaohms
- B. Between 1 and 10 megaohms
- C. Between 10 and 100 megaohms
- D. Between 100 and 1000 megaohms

Answer: B

NEW QUESTION 8

DRAG DROP

Drag and drop the descriptions from the left onto the corresponding IPv4 addressing modes on the right.

address used for testing and troubleshooting on the local device	unicast
address used for one-to-everyone communication on the subnet	broadcast
address that identifies the unique node on the network	multicast
address used for single packet of one-to-many delivery	loopback

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

This content is aligned with IPv4 Addressing Fundamentals, detailed in the FLDTEC course under Device Configuration and Verification:

Unicast: A unicast address uniquely identifies a single host on a network. This is the most common address type used for standard communication between two devices.

Broadcast: Broadcast addresses (e.g., 255.255.255.255 or subnet-specific broadcast) send traffic to all hosts in the network segment. Used for ARP requests and DHCP discovery.

Multicast: Used to deliver a packet to a group of hosts interested in the data, without flooding the network like a broadcast. Multicast uses addresses from the

range 224.0.0.0 to 239.255.255.255. Loopback: The loopback address (127.0.0.1) is reserved for local testing, ensuring that the TCP/IP stack is working properly without needing to access the network.

NEW QUESTION 9

What must be considered when installing a new fan module in a fixed-configuration Cisco Nexus switch?

- A. The size of the fan module must match the power supply.
- B. Fan modules can be installed only when the switch is powered off
- C. The airflow direction must be consistent with other installed modules.
- D. The fan module must be from the same manufacturing batch as the others.

Answer: C

NEW QUESTION 10

Which pod-based deployment model provides the most flexibility and scalability in a modern data center topology?

- A. Spine-and-Leaf
- B. End of Row (EoR)
- C. Top of Rack (ToR)
- D. Fabric Extender model

Answer: A

Explanation:

The Spine-and-Leaf architecture is the preferred pod-based deployment model in modern data centers because of its high scalability and flexibility. In this topology:



Leaf switches connect to servers and act as the access layer.



Spine switches function as the core layer, interconnecting all leaf switches.

This non-blocking, highly redundant model supports predictable latency, easy horizontal scaling, and load balancing, making it ideal for cloud-scale and virtualized environments.



Top of Rack (ToR) and End of Row (EoR) are physical cabling layouts that do not inherently provide the same level of architectural scalability.



Fabric Extender models extend switch ports but depend on upstream switches for intelligence, limiting flexibility.

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

NEW QUESTION 10

What is the primary role of a switch in a local area network?

- A. to route data packets between different networks
- B. to encrypt data transmissions for security
- C. to divide the network into separate collision domains
- D. to provide wireless connectivity to LAN devices

Answer: C

NEW QUESTION 14

Refer to the exhibit. Which replaceable components are highlighted on the three different series of Cisco UCS servers?

- A. storage modules
- B. GPU sockets
- C. fan modules
- D. power supplies

Answer: C

NEW QUESTION 15

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

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

Answer: D

NEW QUESTION 18

What is the primary purpose of changing the configuration register when performing password recovery?

- A. To erase the entire configuration
- B. To ignore the startup configuration
- C. To unlock all user accounts
- D. To enable advanced debugging features

Answer: B

NEW QUESTION 19
DRAG DROP

 Cisco Room Navigator	 Cisco Board Pro
 Cisco Quad Camera	 Cisco PTZ 4K Camera

Refer to the exhibit. Drag and drop the functions from the left onto the corresponding devices on the right.

provides 4K resolution and zoom capabilities	Cisco Room Navigator
supports video conferencing and content sharing	Cisco PTZ 4K Camera
creates panoramic views of meeting participants	Cisco Quad Camera
controls room environment and scheduling	Cisco Webex Board Pro

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

According to theCisco FLDTEC training and product documentation:

- Cisco PTZ 4K Camera: Offers high-definition video capture with pan-tilt-zoom features and 4K resolution — ideal for large conference spaces.
- Cisco Webex Board Pro: Interactive collaboration device that combines video conferencing, whiteboarding, and wireless content sharing.
- Cisco Quad Camera: Features multiple cameras for wide-angle views, speaker tracking, and automatic framing — great for medium to large meeting rooms.
- Cisco Room Navigator: A touchscreen device that provides intuitive control for room settings, scheduling, and call management.

NEW QUESTION 20

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. Simplicity, with no need to manage individual packages
- C. Faster boot times compared to Install mode
- D. Ability to install and upgrade packages independently

Answer: B

NEW QUESTION 22

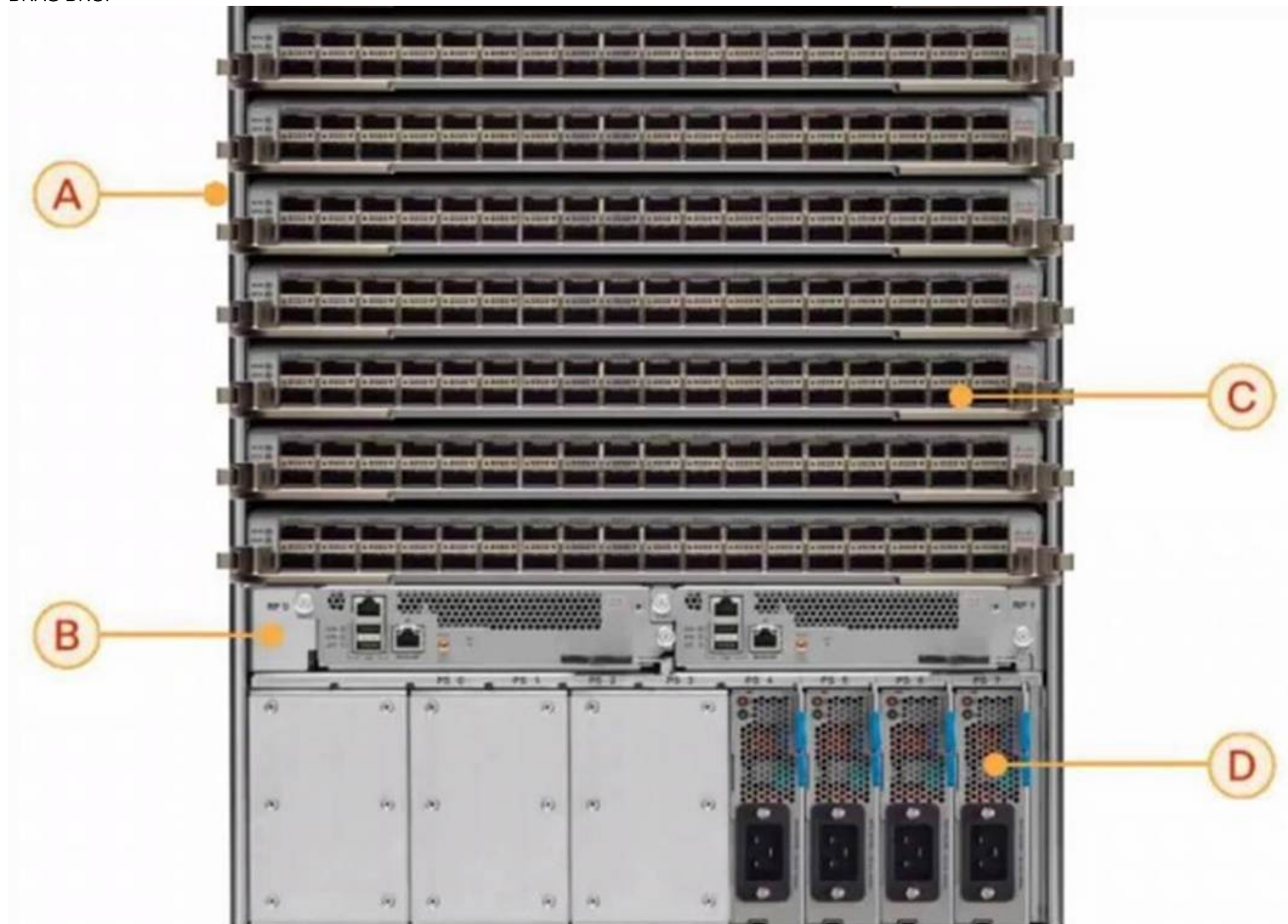
Which step must be performed immediately after disconnecting the network cable when replacing an SFP transceiver module?

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

Answer: C

NEW QUESTION 23

DRAG DROP



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 NCS 5500 Series modular router.

power supplies

A

transceivers

B

route processor cards

C

line cards

D

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

power supplies

line cards

transceivers

route processor cards

route processor cards

transceivers

line cards

power supplies

NEW QUESTION 27

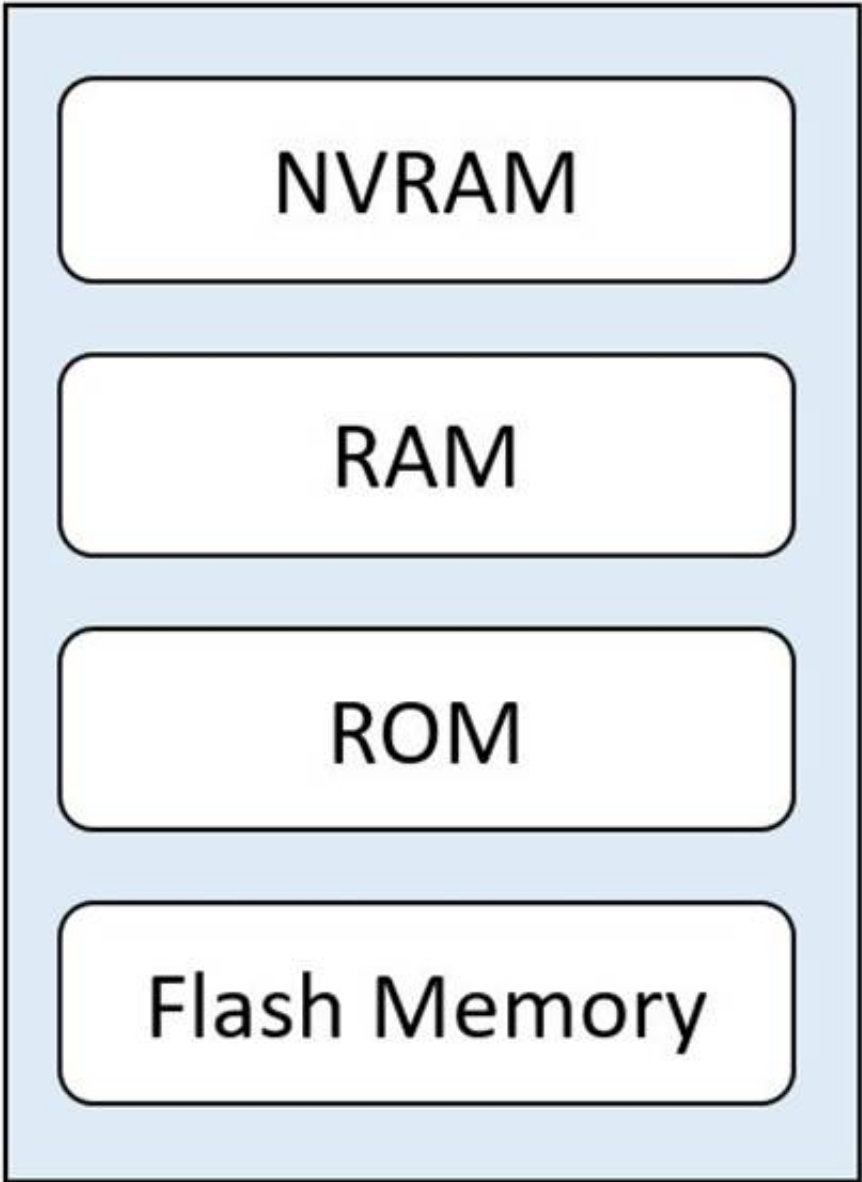
Which two actions are typically performed in ROMMON mode during the password recoveryprocess? (Choose two.)

- A. Change the configuration register.
- B. Load the startup configuration.
- C. Save the configuration.
- D. Modify passwords.
- E. Reboot the device.

Answer: AE

NEW QUESTION 32

DRAG DROP



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

- A. Mastered
- B. Not Mastered

Answer: A

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 36

DRAG DROP

Drag and drop the actions that must be taken after installing an E-Series server from the left into order on the right.

MISSING

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

In the FLDTEC course, under Maintenance and RMA Procedures, Cisco outlines a specific sequence for bringing up an E-Series server module in an ISR router. The sequence ensures proper recognition, IOS compatibility, and network readiness:

Power up the router and server: Ensures both components are initialized and POST begins.

Verify that the router recognized the server: Use service-module commands or show platform to confirm server visibility.

Load a compatible Cisco IOS image onto the ISR: The IOS must support the E-Series module to provide integration and configuration functionality.

Connect the server to the network: Establish network connectivity for services, remote access, or deployment.

This structured approach is essential for minimizing errors during modular hardware upgrades or RMAs in the field.

NEW QUESTION 39

Which two settings are standard Cisco console connections when configuring a terminal emulator to connect to the console port of a Cisco switch? (Choose two.)

- A. Stop bits: 2
- B. Flow control: Hardware
- C. Speed (baud rate): 9600
- D. Data bits: 8
- E. Parity: Even

Answer: CD

NEW QUESTION 44

Which mode must the console terminal of the device be in before a prewritten configuration is pasted to transfer the configuration from an old device to a new one?

- A. Interface configuration mode
- B. Global configuration mode
- C. Privileged EXEC mode
- D. User EXEC mode

Answer: B

NEW QUESTION 45

Which management option is best suited for standalone Cisco Secure Firewall deployments?

- A. Cisco Secure Firewall Management Center
- B. Cisco Defense Orchestrator
- C. Cisco Security Manager
- D. Cisco Secure Firewall Device Manager

Answer: D

Explanation:

For standalone Cisco Secure Firewall deployments, the Cisco Secure Firewall Device Manager (FDM) is the most appropriate management option. FDM is a browser-based, on-box management tool that allows administrators to configure and manage a single firewall device without the need for external management infrastructure. It provides an intuitive interface for basic configurations, policy management, and monitoring.

In contrast:

➤ Cisco Secure Firewall Management Center (FMC) is designed for centralized management of multiple firewall devices.

➤ Cisco Defense Orchestrator (CDO) is a cloud-based solution for managing security policies across various devices.

➤ Cisco Security Manager is an older platform primarily used for managing ASA devices.

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

NEW QUESTION 46

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

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

Answer: B

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 49

DRAG DROP

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

Cisco Room Kit

all-in-one devices for personal workspaces and meeting rooms

Cisco Desk Series

interactive touchscreen displays supporting video conferencing

Quad Camera

standalone modular video conferencing systems

Room Navigator

multi-angle video capture for immersive experiences

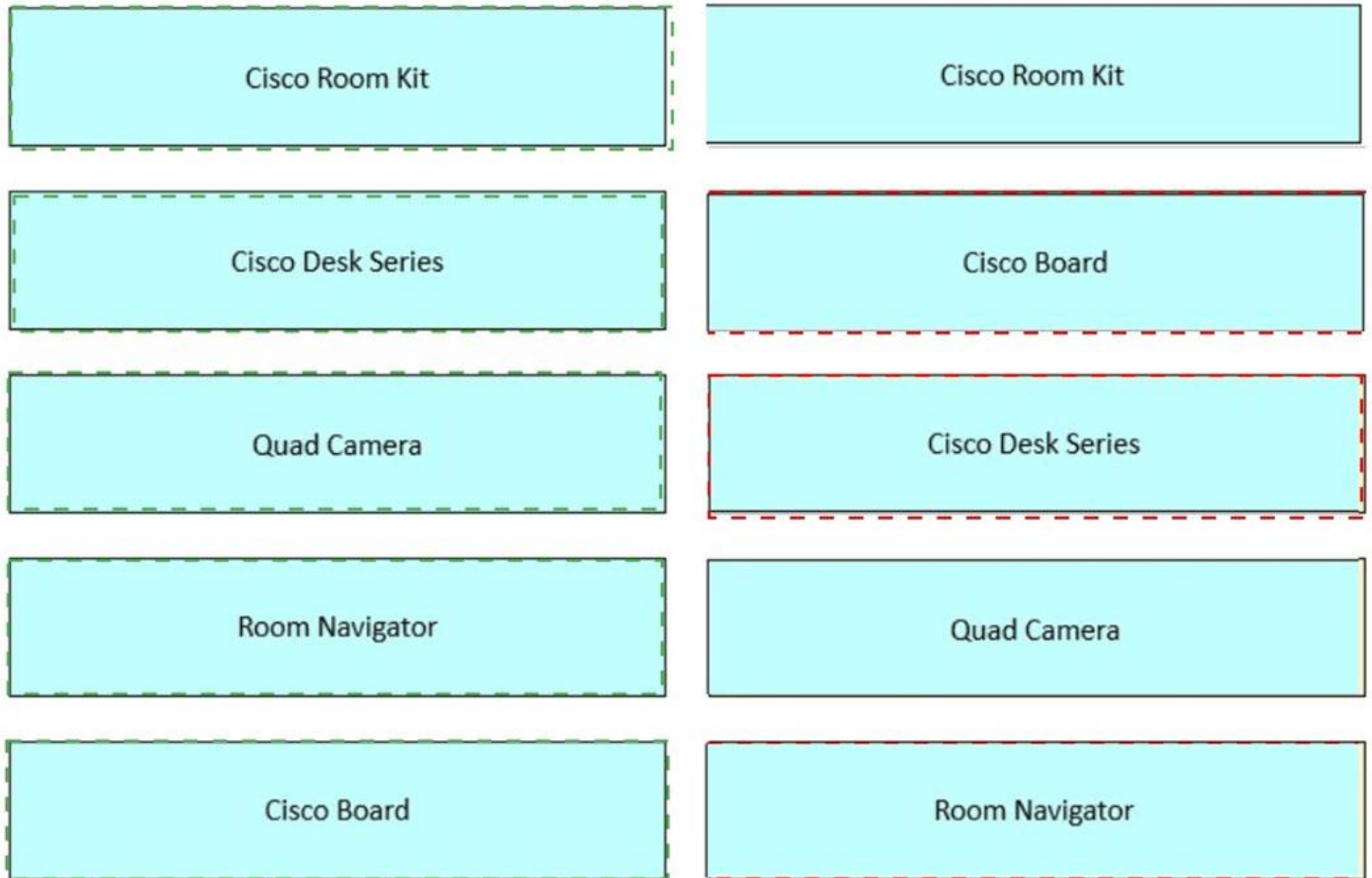
Cisco Board

touch panel for room controls and scheduling

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:



NEW QUESTION 51

What are two indicators that a network interface card must be replaced? (Choose two.)

- A. Connectivity problems
- B. Inability to save configurations
- C. Boot failures
- D. Consistent link down status
- E. Frequent system crashes

Answer: AD

NEW QUESTION 52

What must be verified before installing or replacing DIMMs in a Cisco UCS server?

- A. Compatibility of the DIMM with the current firmware version of the server
- B. Current DIMM configuration and population order
- C. Exact type, speed, and capacity of the DIMM
- D. Maximum supported DIMM capacity for the server model

Answer: B

NEW QUESTION 54

Which action must be taken when editing a captured configuration of an old device for reuse in a replacement device?

- A. Remove all configurations under line vty 0 4.
- B. Retain all username entries.
- C. Keep all access-list commands intact.
- D. Add the enable password cisco command.

Answer: B

NEW QUESTION 59

What is the primary function of a wireless LAN controller in a Cisco Unified Wireless Network solution?

- A. To manage and configure associated access points centrally
- B. To operate at Layer 3 of the OSI model
- C. To translate data into a frame format for transmission
- D. To provide wireless connectivity to LAN devices

Answer: A

NEW QUESTION 60

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