

Cisco

Exam Questions 800-150

Supporting Cisco Devices for Field Technicians



NEW QUESTION 1

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 2

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 3

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

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

Answer: D

NEW QUESTION 4

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 -anetsh wlan show interfaces ipconfig /releaseipconfig /renew
- C. ping tracert netstat
- D. nslookup arp -a route print

Answer: A

NEW QUESTION 5

A technician must quickly identify multiple Cisco switches in a rack without powering them on. Where should the technician look for serial numbers on the device?

- A. Bottom surface of each switch
- B. Front panel near the status LEDs
- C. Rear panel near the power supplies
- D. Top surface of each switch

Answer: C

NEW QUESTION 6

Which Cisco UCS management platform is specifically designed for managing standalone Cisco UCS C-Series rack servers and E-Series servers?

- A. Cisco Integrated Management Controller
- B. Cisco UCS Central
- C. Cisco UCS Manager
- D. Cisco Intersight

Answer: A

NEW QUESTION 7

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. Back up the server configuration using Cisco Integrated Management Controller.
- C. Temporarily disable all firewalls during the replacement process.
- D. Decommission the server if it is integrated in a Cisco UCS domain.
- E. Update the firmware on the fabric interconnects.

Answer: BD

NEW QUESTION 8

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 9

Which component serves as the central management and communication core and provides a single point of management via Cisco UCS Manager in a Cisco UCS environment?

- A. Nexus 9000 Series Switch
- B. UCS E-Series server in ISR platforms
- C. MDS 9000 Series SAN Switch
- D. UCS Fabric Interconnect

Answer: D

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 10

Which Cisco collaboration component is an enterprise-grade, cloud-based PBX system that enables devices to register to the cloud?

- A. Cisco Webex Calling
- B. Cisco Hosted Collaboration Solutions
- C. Cisco Webex Meetings
- D. Cisco Webex Teams

Answer: A

NEW QUESTION 11

Which step must be performed immediately after powering off the device when replacing a Cisco chassis?

- A. Remove the chassis ground.
- B. Back up the device configuration.
- C. Remove the chassis.
- D. Label and remove all I/O cables.

Answer: D

NEW QUESTION 16

DRAG DROP

Refer to the exhibit.



Drag and drop the command names from the left onto the corresponding elements in the interface configuration mode command structure on the right.

component to configure	interface
interface type	FastEthernet
port	0
slot	1

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

Component to configure ?? interface

Interface type ?? FastEthernet

Port ?? 1

Slot ?? 0

This command structure is part of the Device Configuration and Verification section in the FLDTEC course. It teaches how to navigate and configure interfaces on Cisco devices using the IOS CLI: interface is the global configuration mode command to begin configuring a network interface. FastEthernet specifies the type of interface (could also be GigabitEthernet, Serial, etc.). 0/1 represents the slot/port structure used on Cisco devices:

The first digit (before the slash) is the slot number.

The second digit (after the slash) is the port number within that slot.

This structure allows Cisco to modularly address interfaces, especially in devices with multiple slots or module-based configurations.

NEW QUESTION 17

DRAG DROP

Drag and drop the steps of the boot sequence process of a Cisco device into order on the right.

finds and loads the Cisco IOS software	step 1
runs the configures Cisco IOS software	step 2
loads and runs bootstrap code (firmware)	step 3
performs power on self-test (POST)	step 4
finds and loads the configuration	step 5

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

Step 1 ?? Performs power-on self-test (POST)

Step 2 ?? Loads and runs bootstrap code (firmware)

Step 3 ?? Finds and loads the Cisco IOS software

Step 4 ?? Finds and loads the configuration

Step 5 ?? Runs the configured Cisco IOS software

This startup process is thoroughly described in the FLDTEC course and aligns with Cisco's standard IOS boot process:

POST (Power-On Self-Test): Verifies hardware functionality including memory and interfaces. This occurs immediately upon powering the device.

Bootstrap Code Execution: Bootstrap is a small program in ROM that initiates the boot process.

Cisco IOS Loading: Bootstrap locates and loads the IOS from flash memory or another source (e.g., TFTP).

Configuration Loading: The router then loads the startup-config from NVRAM (if available).

IOS Execution: Once the configuration is loaded, the device enters operational mode and executes the IOS with the loaded config.

This sequence is vital for field technicians to understand for troubleshooting boot failures or performing device recoveries.

NEW QUESTION 22

Which layer of the OSI model provides error detection and defines how access to the media is controlled?

- A. Presentation layer
- B. Physical layer
- C. Network layer
- D. Data link layer

Answer: D

NEW QUESTION 26

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 29

DRAG DROP

Drag and drop the Cisco NX-OS components from the left onto the corresponding descriptions on the right.

Kickstart Image

specialized bootloader that initializes the hardware

System Image

contains the full NX-OS kernel and operating system

Global configuration command mode

allows for displaying device status and configuration information

EXEC command mode

provides access to the broadest range of commands that affect the device as a whole

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

Kickstart Image

Kickstart Image

System Image

System Image

Global configuration command mode

EXEC command mode

EXEC command mode

Global configuration command mode

NEW QUESTION 30

Which two results are achieved by briefly pressing the restore/reset button on a Cisco Meraki switch? (Choose two.)

- A. The device reboots.
- B. A full factory restore is performed.
- C. Cloud management is disabled.
- D. The management interface is cleared.
- E. The downloaded configuration is deleted.

Answer: AD

NEW QUESTION 33

DRAG DROP

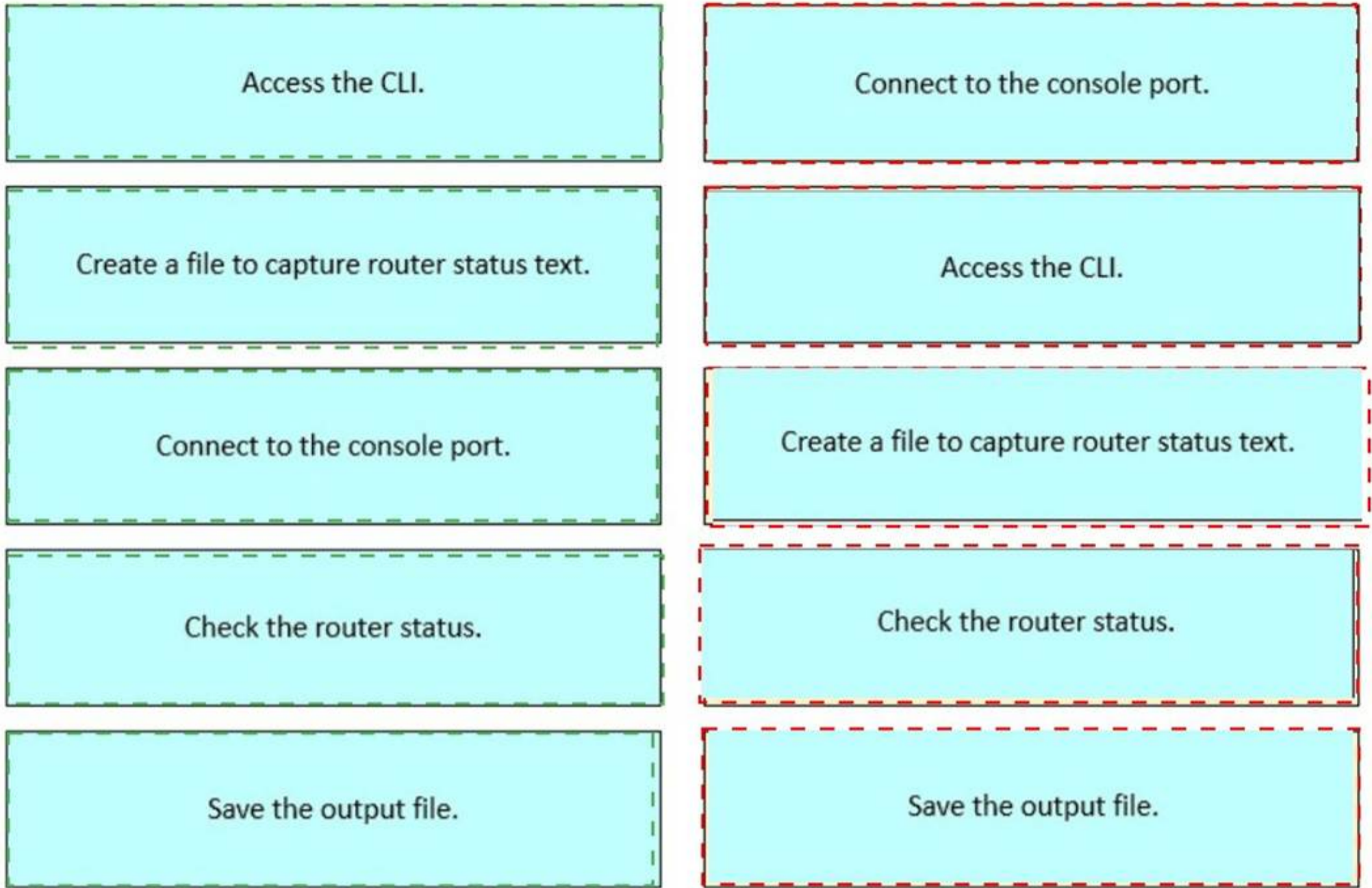
Drag and drop the steps from the left into order to capture the status of a Cisco device.

Access the CLI.	step 1
Create a file to capture router status text.	step 2
Connect to the console port.	step 3
Check the router status.	step 4
Save the output file.	step 5

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:



NEW QUESTION 34

Which two devices are most commonly used in a WAN environment? (Choose two.)

- A. Hubs
- B. Optical fiber converters
- C. Modems
- D. Network interface cards
- E. Wireless access points

Answer: BC

Explanation:

In the context of Wide Area Networks (WANs), the key objective is to connect geographically separated networks using service provider infrastructure. The FLDTEC course emphasizes that WAN environments typically involve devices that can handle different physical transmission mediums and protocols.

Modems:

- Modulate and demodulate analog signals to digital signals.
- Used in WAN environments to connect over analog lines like DSL or leased lines.
- Essential for interfacing between digital routers and analog telephone networks.

Optical Fiber Converters:

- Also known as media converters, they are used to convert electrical signals to optical signals (and vice versa) for fiber transmission.
- Common in WAN scenarios where long-distance high-speed transmission over fiber is required.

Incorrect Options:

- A. Hubs: Obsolete Layer 1 devices used in LANs, not suitable for WANs.
- D. Network Interface Cards (NICs): Used in end devices for LAN connectivity.
- E. Wireless Access Points: Typically used in WLANs within local premises, not WAN infrastructure. This aligns with Cisco's WAN architecture fundamentals as highlighted in FLDTEC under Cisco Equipment and Related Hardware.

NEW QUESTION 36

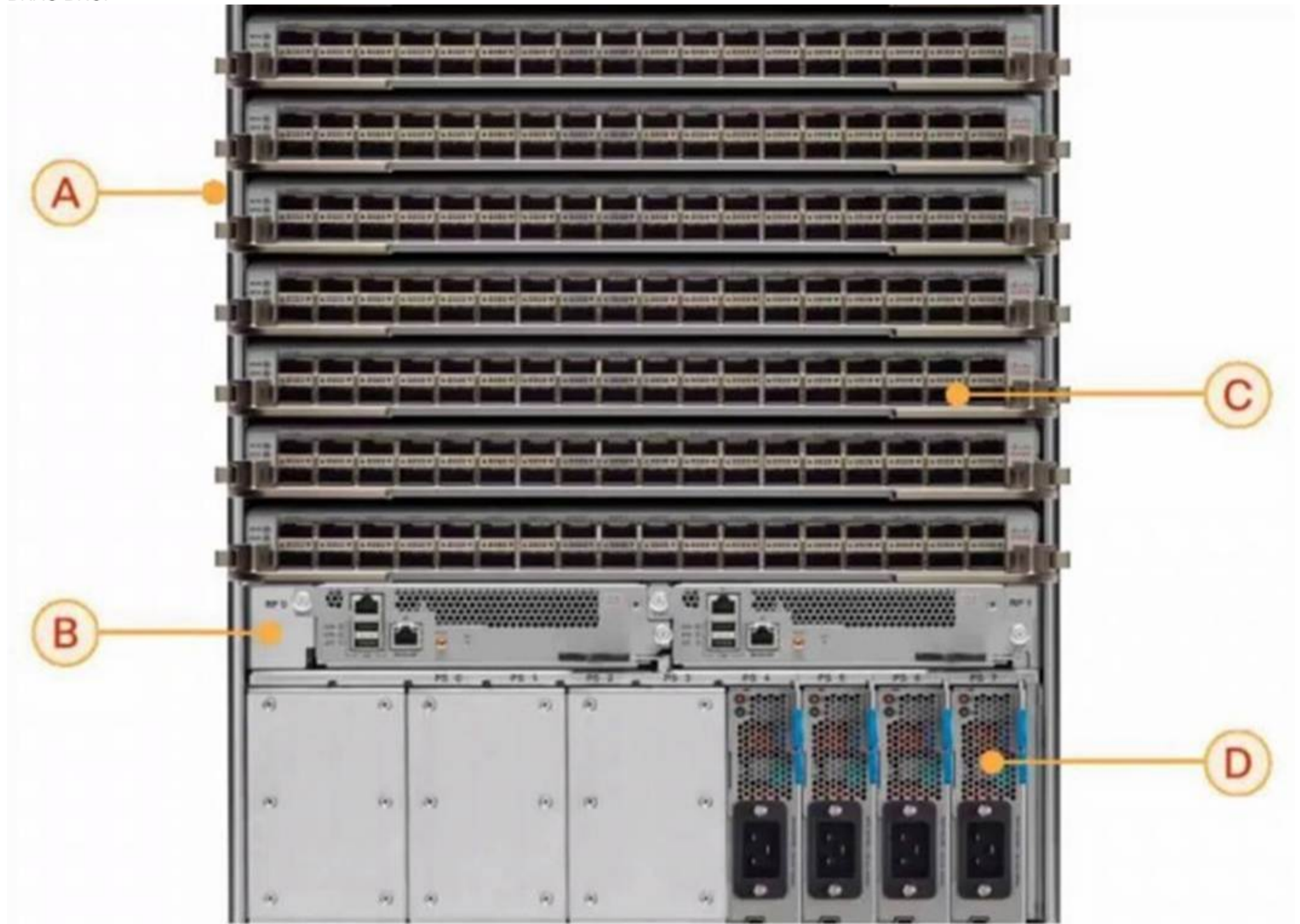
Which step must be performed immediately after disconnecting the network cable when replacing an SFP transceiver module?

- 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 39
 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

transceivers

route processor cards

line cards

A

B

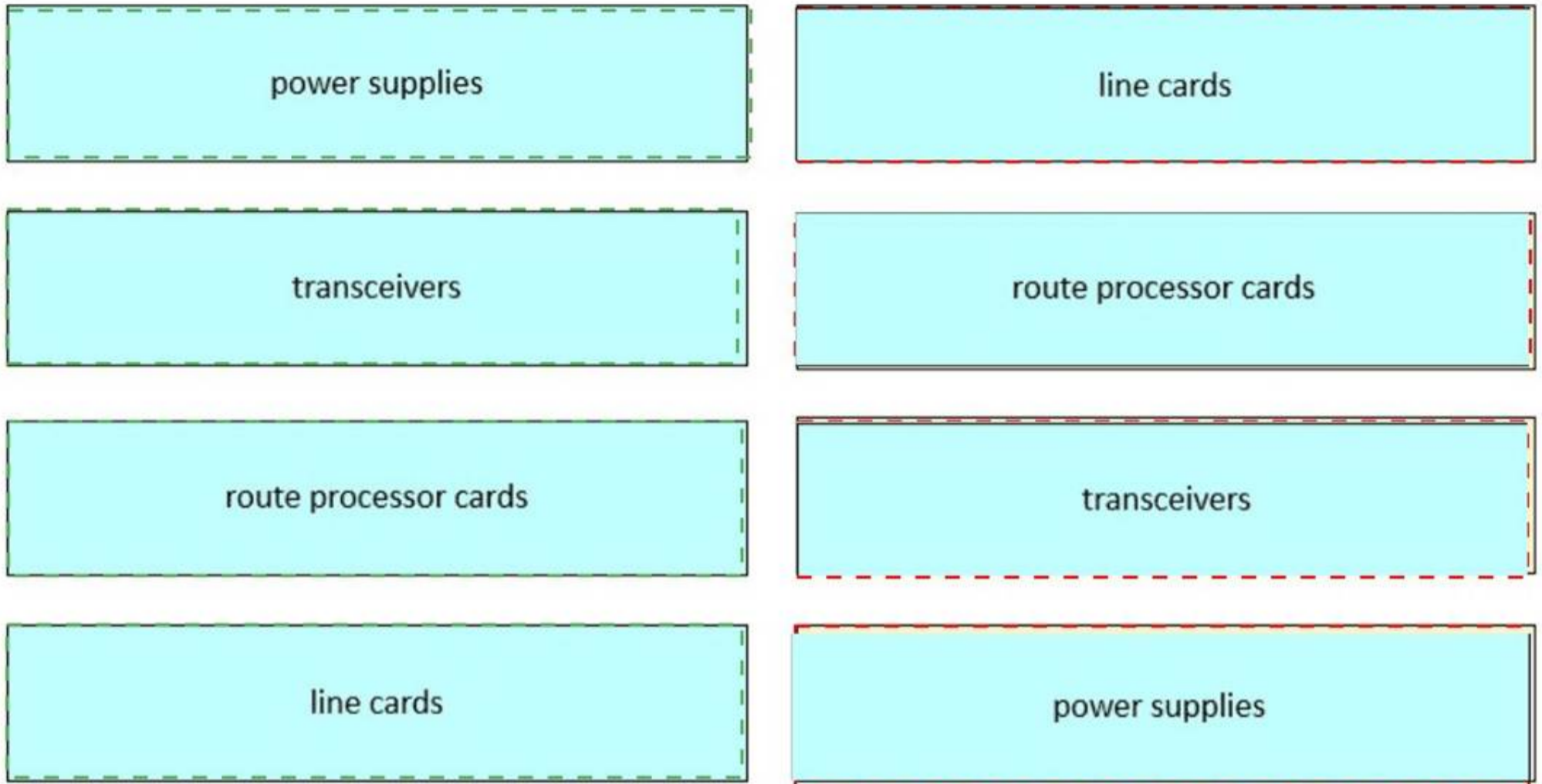
C

D

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:



NEW QUESTION 43

What is the primary reason for placing heavier devices toward the bottom of the rack when installing replacement hardware?

- A. To maintain rack stability
- B. To simplify device maintenance
- C. To improve air circulation
- D. To facilitate easier cable management

Answer: A

NEW QUESTION 44

Which two configuration parameters are most critical to ensure optimal performance when configuring a network port for a newly installed IP phone in an enterprise environment? (Choose two.)

- A. VLAN assignment
- B. Link aggregation
- C. Spanning Tree Protocol
- D. Power over Ethernet
- E. QoS classification

Answer: AD

NEW QUESTION 47

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

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

Answer: C

NEW QUESTION 50

Which term describes the physical range of radio frequency coverage provided by an access point in a wireless topology?

- A. Service Set Identifier (SSID)
- B. Basic Service Area (BSA)
- C. Wireless LAN (WLAN)
- D. Wireless LAN Controller (WLC)

Answer: B

NEW QUESTION 51

Which two actions are typically performed in ROMMON mode during the password recovery process? (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 55

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 60

What is the first action that must be taken before removing a standby supervisor module from a Cisco MDS 9700 Series Switch?

- A. Shut down the entire switch.
- B. Put the module into out-of-service mode.
- C. Disconnect all network interface cables.
- D. Perform a manual failover to the standby supervisor.

Answer: B

NEW QUESTION 62

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 67

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 access points 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 69

DRAG DROP

Drag and drop the virtualized data center components from the left onto the corresponding descriptions on the right.

virtual switch	emulation of a computer system that operates like it has its own physical hardware
Type 1 hypervisor	emulates a Layer 2 switch and provides network connectivity for all VMs or a host machine
virtual machine (VM)	runs directly on the physical server hardware, often used in large-scale deployments
Type 2 hypervisor	runs as a software layer on a host operating system, typically used for development and testing

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

In theFLDTEC curriculum, Cisco emphasizes understanding of virtualized components in enterprise networks and UCS environments:

Virtual Switch– Operates within a hypervisor, replicates L2 behavior for inter-VM and external connectivity.

Type 1 Hypervisor– Also called ??bare-metal,?? examples include VMware ESXi and Microsoft Hyper-V Core; optimized for data center performance.

Virtual Machine (VM)– A logical instance of a system that runs its own OS and apps, powered by virtualized CPU, RAM, and storage.

Type 2 Hypervisor– Runs atop an existing OS (e.g., VMware Workstation, VirtualBox), ideal for labs and dev/testing.

NEW QUESTION 70

Which scenario would result in a speed mismatch when configuring Ethernet devices with different speed settings?

- A. One end is manually set to 1 Gbps, and the other end is manually set to 100 Mbps
- B. Both ends are manually set to thesame speed
- C. One end is manually set to 100 Mbps, and the other end is set to auto-negotiation
- D. Both ends are set to auto-negotiation and fail, reverting to their lowest speeds

Answer: A

NEW QUESTION 72

Refer to the exhibit.



Which component is highlighted on the Cisco I/O module image?

- A. captive screw
- B. chassis connections LED
- C. fan module LED
- D. fixed port

Answer: B

NEW QUESTION 76

What is the purpose of the pre-service checklist in the endpoint replacement process?

- A. To ensure all necessary tools and personnel are available
- B. To test the functionality of the existing endpoint
- C. To verify the current configuration settings of the endpoint
- D. To gather information about the replacement unit

Answer: A

NEW QUESTION 77

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 79

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 80

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 85

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