

Cisco

Exam Questions 800-150

Supporting Cisco Devices for Field Technicians



NEW QUESTION 1

Why is the midplane-free design of the X9508 Modular Chassis significant in the context of Cisco UCS X-Series compute node replacement?

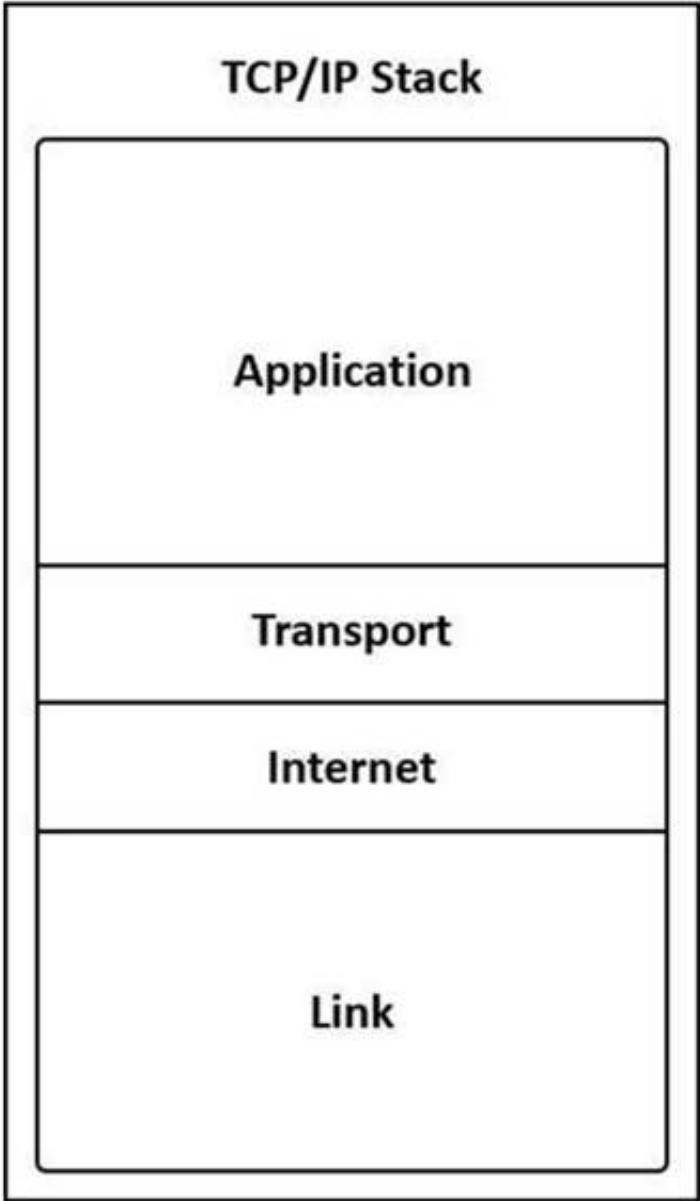
- A. It enables hot-swapping of compute nodes without powering down the chassis.
- B. It enables direct front-to-rear airflow, improving cooling efficiency during node replacement.
- C. It allows for easier future upgrades to faster connectivity standards.
- D. It reduces the overall power consumption of the chassis.

Answer: B

NEW QUESTION 2

DRAG DROP

Refer to the exhibit.



Drag and drop the steps in the TCP/IP encapsulation process from the left onto the corresponding layer on the right.

groups the data into frames, adding a header and FCS trailer	application layer
groups the transport data into packets, adding a network header	transport layer
groups the data into segments and adds a header	internet layer
adds a header to the user data	link layer

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

The FLDTEC training describes the TCP/IP encapsulation as a step-by-step process where data is passed down through the layers of the TCP/IP model:
Application Layer: User data is created (email, file, request) and the application layer adds the application header, creating a data payload.
Transport Layer: The data is segmented. Each segment receives a transport-layer header (TCP/UDP), enabling proper sequencing and error handling at the destination.
Internet Layer: Segments are encapsulated into packets (IP datagrams), with an IP header added to facilitate routing between networks.
Link Layer: Finally, packets are framed with Layer 2 headers and trailers (including the Frame Check Sequence for error detection), creating a frame ready to be transmitted on the physical medium. This layered encapsulation ensures interoperability and troubleshooting clarity, which is why it is emphasized in FLDTEC??s IOS Software Basics module.

NEW QUESTION 3

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 4

DRAG DROP

Drag and drop the safety actions that must be taken prior to beginning work into order on the right for working with electrical equipment.

Verify with multimeter.	step 1
Disconnect power.	step 2
Connect ESD strap.	step 3
Locate emergency power-off switch.	step 4

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

Verify with multimeter.	Locate emergency power-off switch.
Disconnect power.	Disconnect power.
Connect ESD strap.	Verify with multimeter.
Locate emergency power-off switch.	Connect ESD strap.

NEW QUESTION 5

DRAG DROP

Drag and drop the configuration tasks for restoring software from the left onto the corresponding commands on the right.

Restore configuration from USB drive.	show running-config
Save configuration changes.	copy running-config startup-config
Display current configuration.	copy tftp: running-config
Download configuration from TFTP server.	copy usbflash0:backup.cfg running-config

- A. Mastered
B. Not Mastered

Answer: A

Explanation:

These command associations are part of Cisco IOS essentials taught in FLDTEC's "Device Configuration and Verification" topic.

Here's how each command functions:

show running-config

Displays the active configuration stored in RAM.

This command is used to verify the current settings on a Cisco device.

copy running-config startup-config

Saves the current running configuration to NVRAM, ensuring the configuration persists after a reboot.

This is critical after making changes to device settings.

copy tftp: running-config

Loads a configuration from a TFTP server and applies it to the current running configuration.

Often used during remote device setup or restoration.
copy usbflash0:backup.cfg running-config
Restores a saved configuration file from a USB drive.
Useful in field operations where physical backup media is used during maintenance.
These tasks are routine for field technicians performing configuration backups, restorations, and diagnostics in Cisco environments.

NEW QUESTION 6
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 7
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 8
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 9

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 10

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 10

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 13

What is the purpose of the chassis in a blade server environment?

- A. To provide additional processing power
- B. To act as a storage array for the servers
- C. To replace the need for network switches
- D. To house multiple servers

Answer: D

NEW QUESTION 15

DRAG DROP

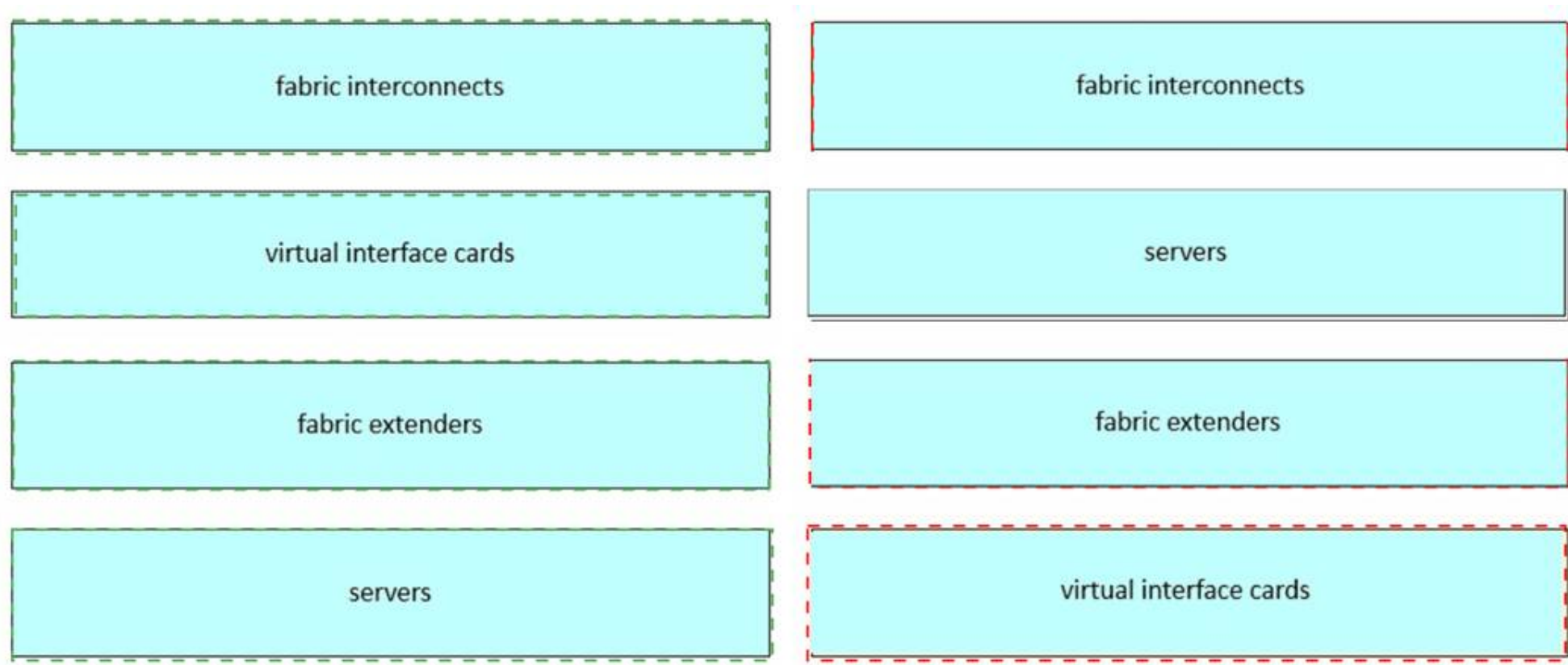
Drag and drop the Cisco UCS components from the left onto the corresponding functionalities on the right.

fabric interconnects	primary point of connectivity for all attached devices
virtual interface cards	installed in a chassis and provide compute power
fabric extenders	maintain connectivity by extending ports
servers	network adapters that allow network interface virtualization

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:



NEW QUESTION 17

Which two network design strategies in Cisco data center solutions improve fault tolerance and high availability? (Choose two.)

- A. SAN extension over IP networks (FCIP)
- B. Redundant supervisor engines and fabric modules
- C. High-density 10/40/100 gigabit Ethernet connectivity
- D. Virtual port channels for link aggregation
- E. Access layer switch deployment

Answer: BD

NEW QUESTION 22

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 27

Which two components are accessed by removing the chassis cover on Cisco Catalyst 8000 Series Edge platforms? (Choose two.)

- A. Transceivers
- B. Network Interface Modules
- C. DIMMs
- D. SSDs
- E. Fan trays

Answer: CD

NEW QUESTION 30

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

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

Answer: D

NEW QUESTION 33

What is the primary purpose of backing up the endpoint configuration prior to replacing the device?

- A. To troubleshoot network connectivity issues
- B. To update the firmware of the device
- C. To generate a performance report for the old device
- D. To restore settings on the new device after replacement

Answer: D

NEW QUESTION 34

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 37

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 39

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