

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

Why is it important to verify the update status after the initial upgrade process when upgrading firmware on a Cisco UCS C-Series server using the Host UpgradeUtility?

- A. To generate a report for compliance documentation
- B. To confirm that all intended components were successfully updated
- C. To ensure compatibility with third-party applications
- D. To activate the new licenses associated with the firmware

Answer: B

NEW QUESTION 3

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 4

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 5

Which key sequence is used to enter the boot prompt mode when the Cisco NX-OS Software begins the software boot process?

- A. Ctrl-X
- B. Ctrl-C
- C. Ctrl-Z
- D. Ctrl-1

Answer: B

NEW QUESTION 6

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 7

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 8

What is the function of an access layer device?

- A. Provides high-speed data transport between buildings or different parts of the campus
- B. Serves as the entry point for end-user devices to connect to the network
- C. Provides secure external access to internal network components
- D. Connects remote offices to the main corporate network

Answer: B

NEW QUESTION 9

How must the power to a system with dual power supplies on aCisco Nexus switch be connected?

- A. Connect the primary power supply to the main source and the secondary to a backup generator.
- B. Connect both power supplies to a power distribution unit with built-in redundancy.
- C. Connect each power supply to a separate power source.
- D. Connect both power supplies to a single power source.

Answer: C

NEW QUESTION 10

Which command is used to copy the startup configuration of a device to a USB file system when transferring files to a Cisco device?

- A. Router# copy startup-config tftp://[server_ip]/[destination_file]
- B. Router# copy usbflash0:[filename] startup-config
- C. Router# copy startup-config usbflash0:[filename]
- D. Router# copy running-config usbflash0:[filename]

Answer: C

Explanation:

To back up the startup configuration of a Cisco device to a USB drive, the commandcopy startup-config usbflash0:[filename]is used. This command copies the contents of the startup configuration file stored in NVRAM to a specified file on the USB flash drive. This is particularly useful for creating backups before performing upgrades or replacements.Option A:Copies the startup configuration to a TFTP server, not a USB drive.



Option B:Attempts to copy from the USB drive to the startup configuration, which is the reverse of the desired operation.



Option D: Copies the running configuration, not the startup configuration, to the USB drive.

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

NEW QUESTION 10

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 12

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 14

Refer to the exhibit.

```
Router# 
NAME: "Chassis", DESCR: "Cisco ISR4451-X/K9"
PID: ISR4451-X/K9, VID: V01, SN: FCW2134L0SH
```

Which CLI show command identifies the serial number on a router?

- A. show inventory
- B. show idprom
- C. show version
- D. show platform

Answer: A

NEW QUESTION 18

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 22

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 23

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 28

DRAG DROP

Drag and drop the functions from the left onto the corresponding Cisco data center technologies on the right.

integrates multiple network layers into a single infrastructure	Unified Fabric
provides link aggregation and redundancy between switches	Fibre Channel over Ethernet (FCoE)
enables software-defined networking in data centers	virtual port channels (vPCs)
combines storage and network traffic on a single network	Application Centric Infrastructure (ACI)

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

integrates multiple network layers into a single infrastructure	integrates multiple network layers into a single infrastructure
provides link aggregation and redundancy between switches	combines storage and network traffic on a single network
enables software-defined networking in data centers	provides link aggregation and redundancy between switches
combines storage and network traffic on a single network	enables software-defined networking in data centers

NEW QUESTION 32

Which command is used to download a copied configuration file from a TFTP server to merge it with the running configuration of a replacement Cisco device?

- A. load tftp: running-config
- B. copy tftp: startup-config
- C. copy tftp: running-config
- D. merge tftp: running-config

Answer: C

NEW QUESTION 37

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 42

What is a feature of Cisco Meraki switches that simplifies the replacement process?

- A. Built-in configuration wizard
- B. Automatic hardware detection
- C. Offline configuration backup
- D. Cloud-based management

Answer: D

NEW QUESTION 43

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 45

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 47

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 49

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 52

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 55

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 58

Which two features are managed by the hardware and software of the collaboration infrastructure? (Choose two.)

- A. Network bandwidth allocation
- B. Hosting large-scale databases
- C. Facilitating connections
- D. Phone book administration
- E. Supporting meeting experiences

Answer: CE

Explanation:

The Cisco Collaboration Infrastructure is designed to support unified communications, video conferencing, and team collaboration through an integrated architecture involving both hardware (e.g., endpoints, media servers) and software (e.g., CUCM, Webex apps). According to the FLDTEC course content under Cisco Collaboration Equipment and Infrastructure: Facilitating Connections (C): Cisco infrastructure components such as CUCM, Expressway, and Cisco Meeting Server enable real-time connections between users across voice, video, and messaging systems. Supporting Meeting Experiences (E): Devices such as Webex Boards, Room Kits, and Cisco Quad Cameras, in combination with platforms like Webex, provide immersive and seamless meeting experiences, supported by the infrastructure. Incorrect Options: * A. Network bandwidth allocation: Typically managed by network QoS policies and WAN optimizations, not the collaboration infrastructure directly. * B. Hosting large-scale databases: Not a function of Cisco's collaboration system — this falls under data center or database server roles. * D. Phone book administration: Often a function within directory services or external LDAP integration, not a core collaboration infrastructure task.

NEW QUESTION 63

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 65

DRAG DROP

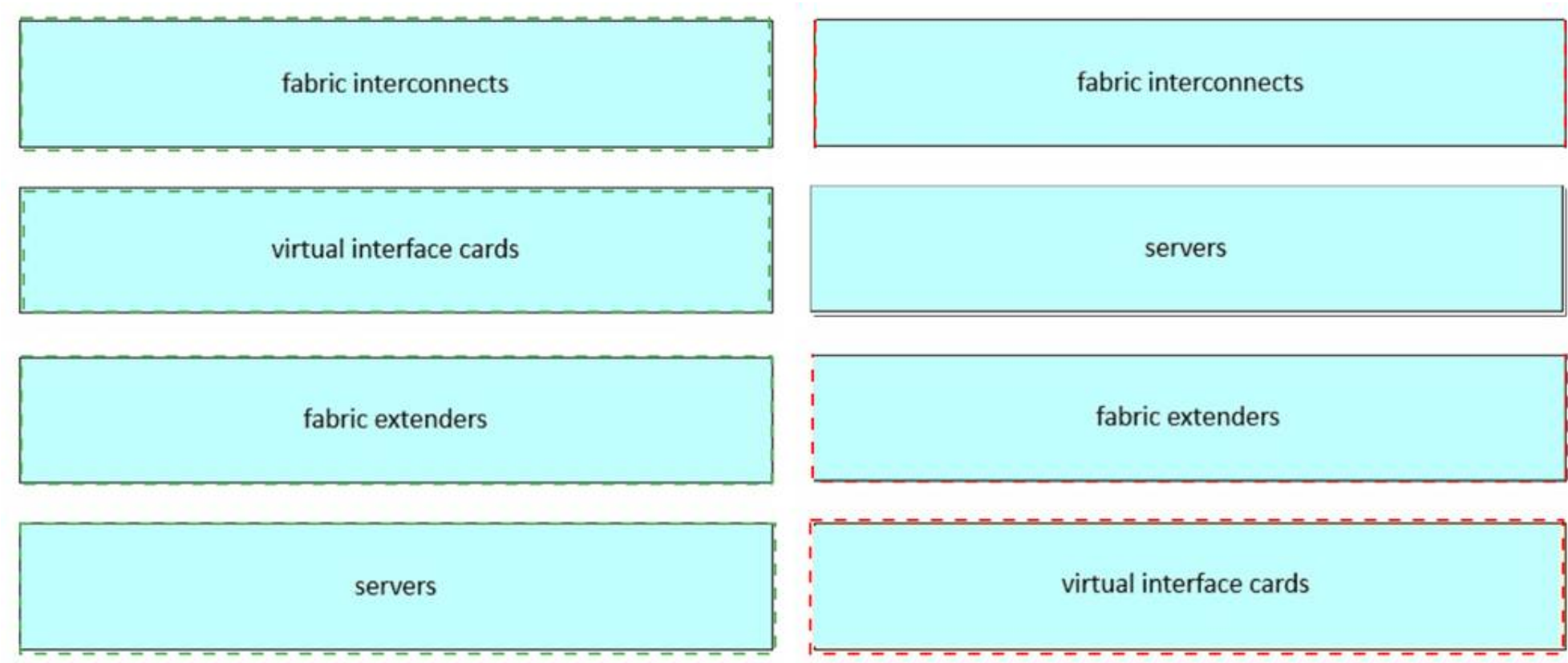
Drag and drop the Cisco UCS components from the left onto the corresponding functionalities on the right.

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 66

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 theFLDTEC course, underMaintenance and RMA Procedures, Cisco outlines a specific sequence for bringing up anE-Series server modulein an ISR router. The sequenceensures 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 duringmodular hardware upgrades or RMAsin the field.

NEW QUESTION 67

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 themodule into out-of-service mode.
- C. Disconnect all network interface cables.
- D. Perform a manual failover to the standby supervisor.

Answer: B

NEW QUESTION 71

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 73

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 75

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

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

Answer: D

NEW QUESTION 80

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 81

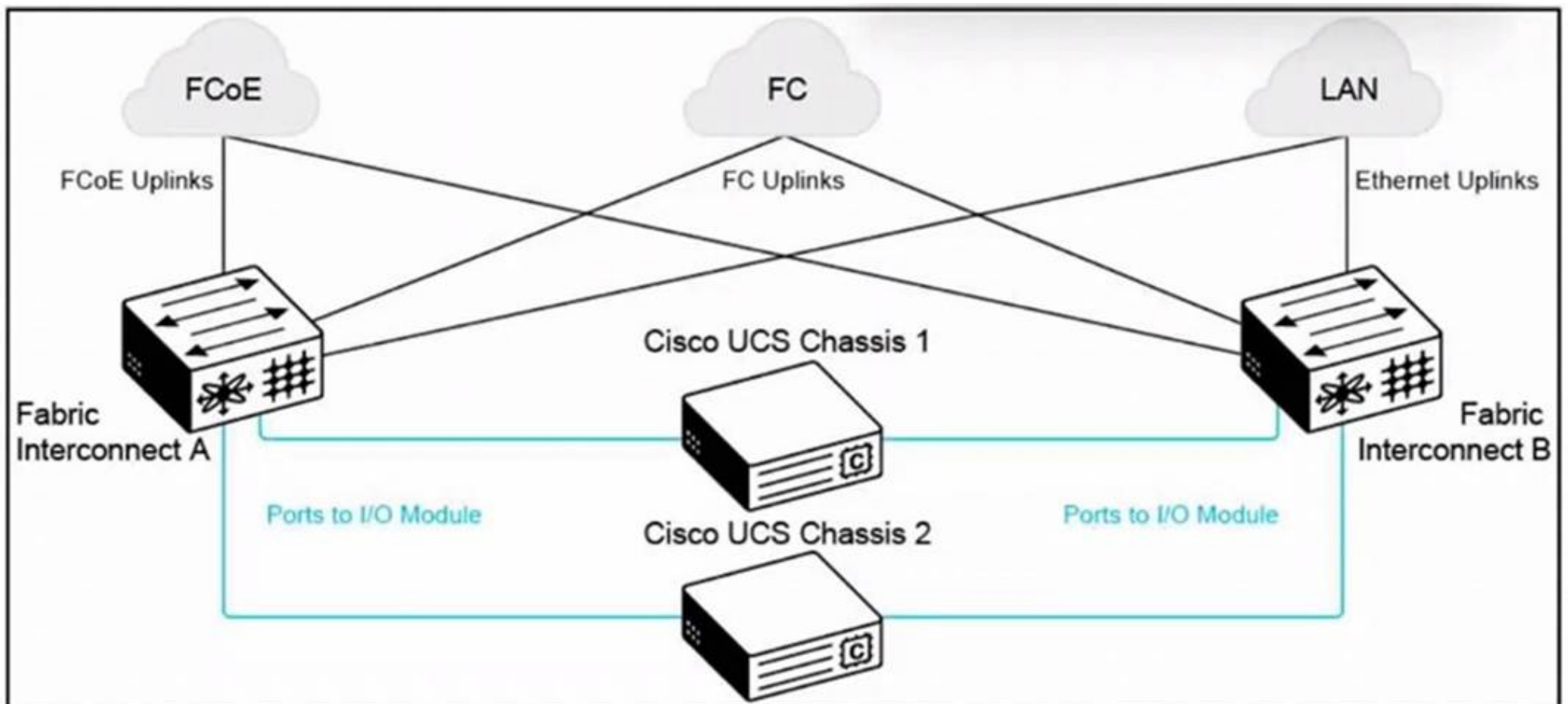
What is the purpose of the pre-service checklist in the endpoint replacement process?

- 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 84

Refer to the exhibit.



What is the redundancy implementation in this Cisco UCS architecture?

- A. Redundancy is achieved through dual fabric interconnects, providing separate paths for FCoE, FC, and LAN traffic.
- B. Redundancy is limited to the uplink connections, with no failover capabilities between the fabric interconnects.
- C. The system uses a single point of connectivity, relying on internal redundancy within each UCS chassis.
- D. Redundancy is implemented at the chassis level only, with chassis 1 acting as a backup for chassis 2.

Answer: A

NEW QUESTION 86

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

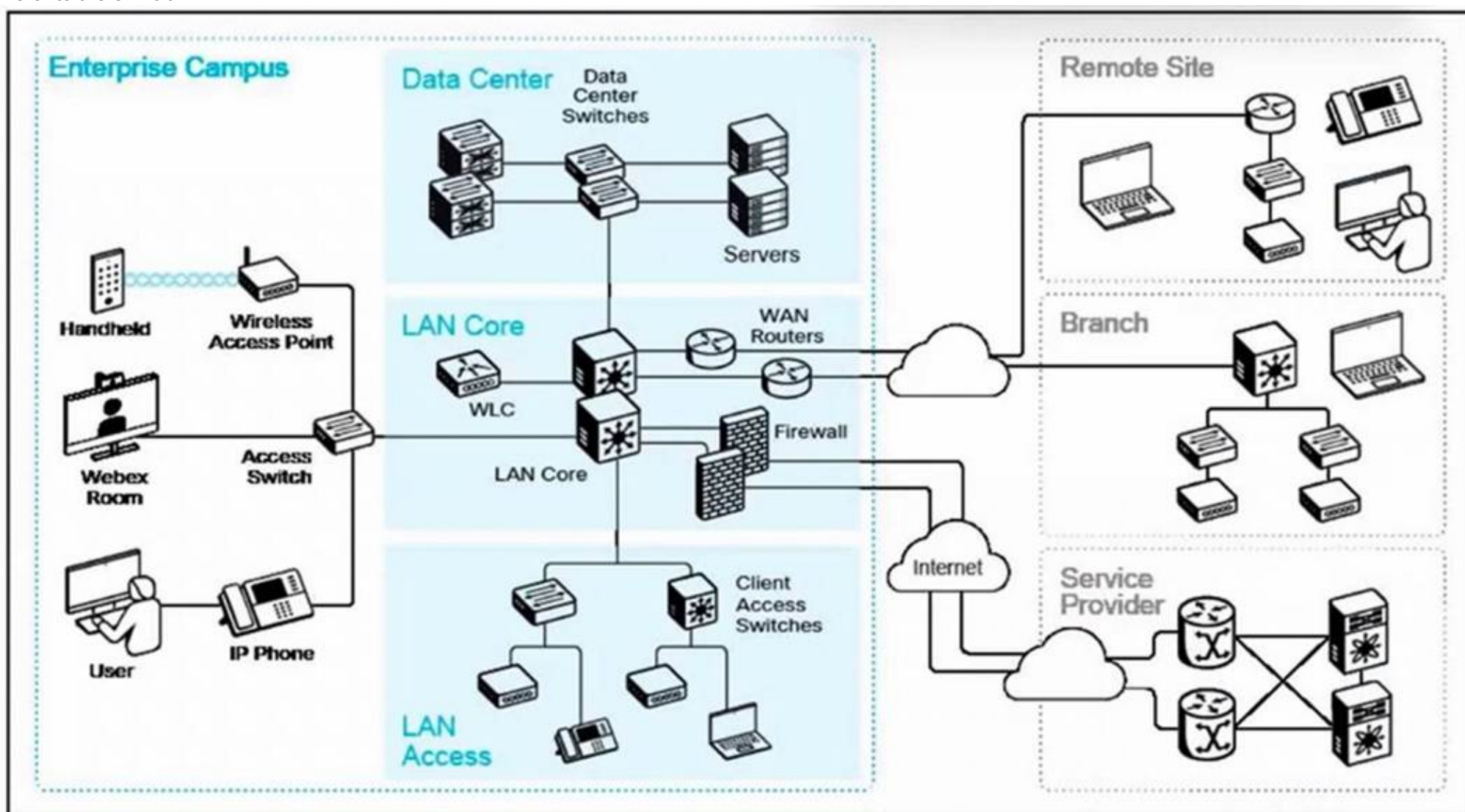
Answer: A

Explanation:

Cisco Room Kit	Cisco Room Kit
Cisco Desk Series	Cisco Board
Quad Camera	Cisco Desk Series
Room Navigator	Quad Camera
Cisco Board	Room Navigator

NEW QUESTION 88

Refer to the exhibit.



What are two ways remote sites or branches connect to the enterprise campus network? (Choose two.)

- A. Access layer switches
- B. WAN links
- C. IPsec VPN tunnels
- D. Ad hoc Wi-Fi network
- E. LAN core switches

Answer: BC

NEW QUESTION 92

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 95

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-listcommands intact.
- D. Add the enable password cisco command.

Answer: B

NEW QUESTION 100

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