

Exam Questions 800-150

Supporting Cisco Devices for Field Technicians

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NEW QUESTION 1

DRAG DROP

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

flash card reader	copying IOS images to and from a router or switch
USB thumb drive	testing router or switch Ethernet port functionality
RJ-45 Ethernet loopback connector	connecting two RJ-45 cables to extend length
RJ-45 coupler	copying IOS images and configuration files to/from a PC/laptop or TFTP server

- A. Mastered
- B. Not Mastered

Answer: A

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 2

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 3

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 4

Which deployment model minimizes dependence on internet connectivity for core collaboration functions?

- A. Cloud-based deployment
- B. On-premises deployment
- C. Software-as-a-Service model
- D. Hosted Collaboration Solution

Answer: B

NEW QUESTION 5

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 6

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 command `copy 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 7

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 8

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 9

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 10

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 12

What is the primary advantage of installing and deploying Cisco UCS E-Series servers in branch office routers?

- A. To serve as a backup storage system for the main data center
- B. To enhance the wireless capabilities of the router
- C. To provide local compute power for edge applications
- D. To increase the packet forwarding capacity of the router

Answer: C

NEW QUESTION 14

DRAG DROP

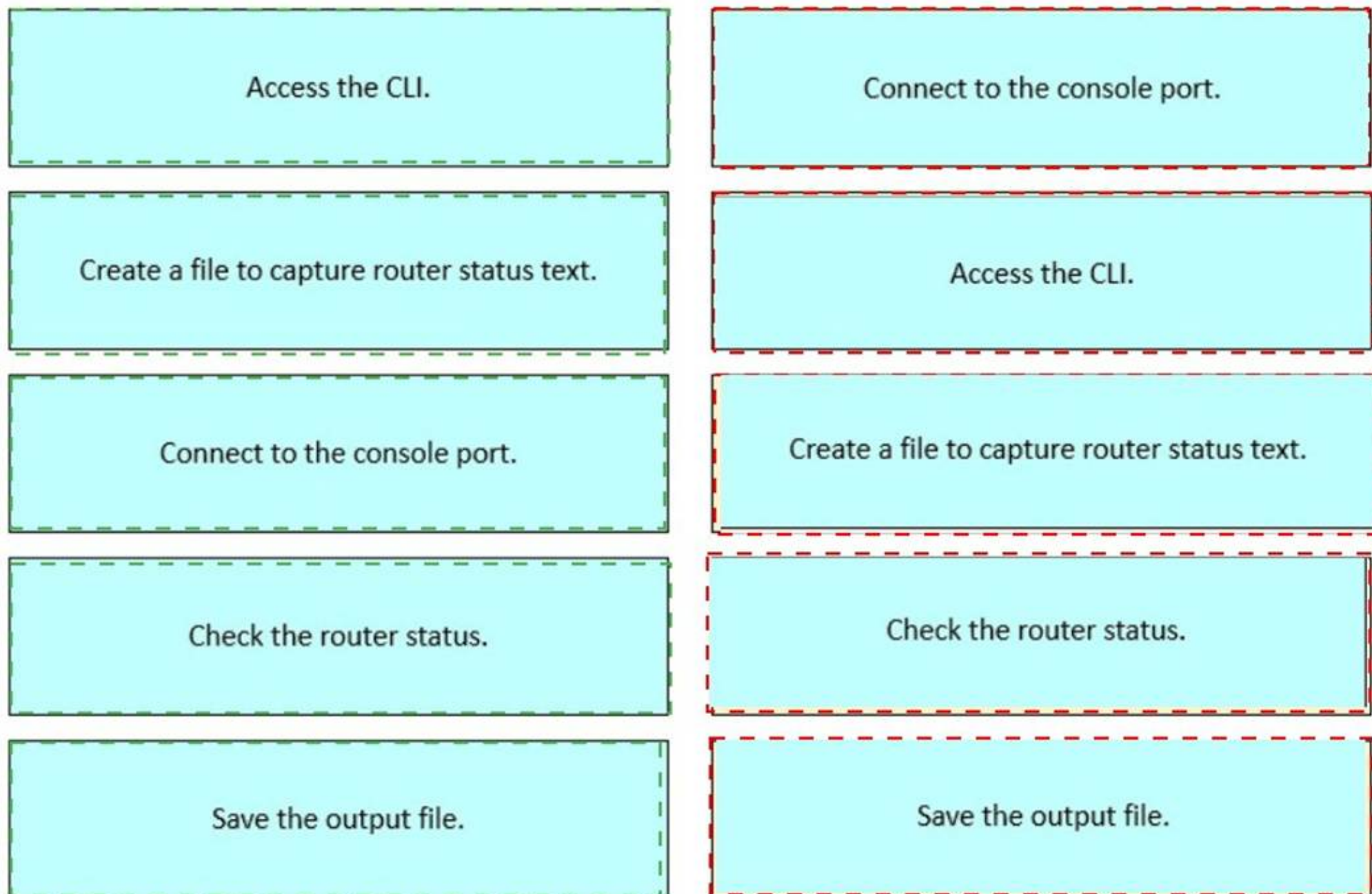
Drag and drop the steps from the left into order to capture the status of a Cisco device.

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 17

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 20

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 22

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 26

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

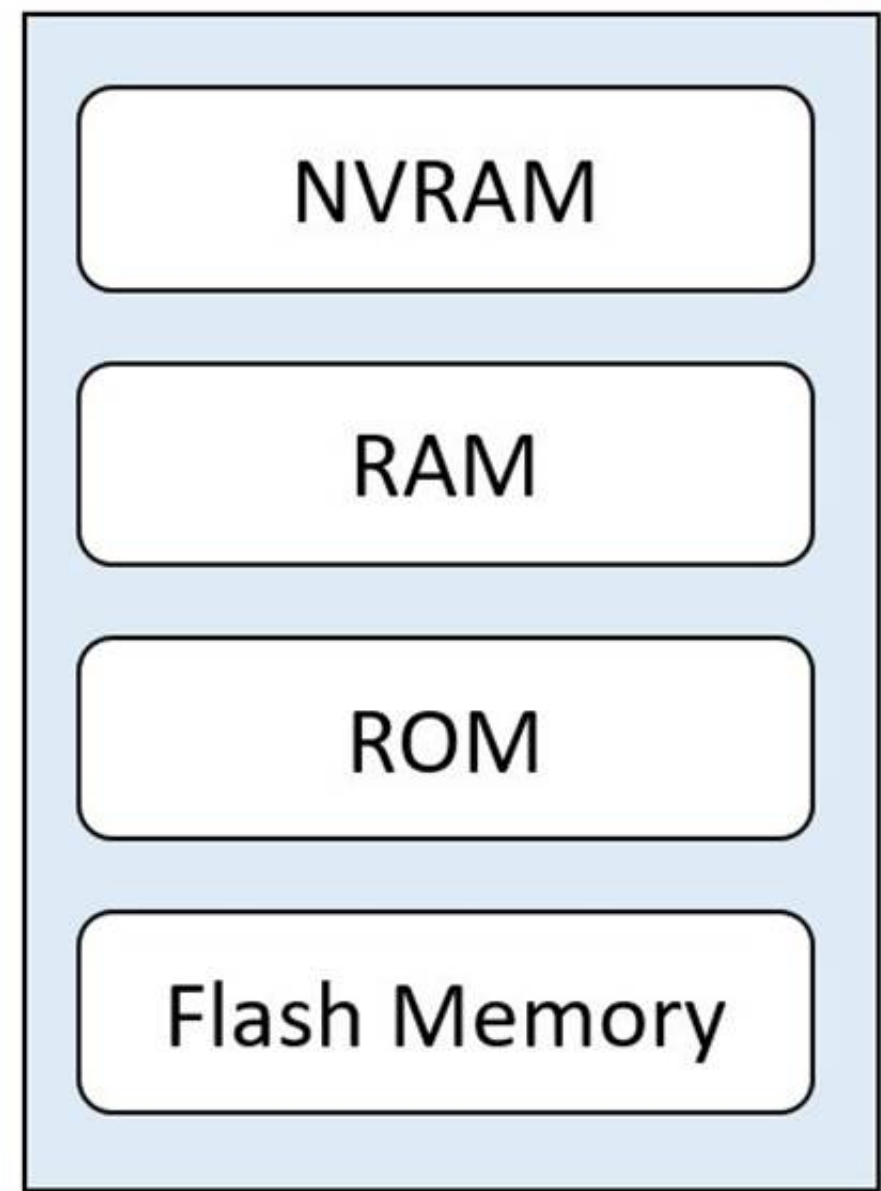
E. Supporting meeting experiences

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 28
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 29

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 30

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 31

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 34

Which deployment scenarios are Cisco 8000 Series routers primarily designed for?

- A. remote branch offices and retail locations
- B. service provider and web-scale networks
- C. small business and home office networks
- D. campus LAN access and distribution layers

Answer: B

NEW QUESTION 39

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 42

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 45

DRAG DROP

Drag and drop the TFTP statements from the left onto the corresponding categories on the right.

lack of security features and user authentication

simple setup and operation

transferring small files without security concerns

not suitable for transferring large files

Advantages of TFTP

Disadvantages of TFTP

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

The FLDTEC course teaches that TFTP is a lightweight file transfer protocol often used in Cisco devices for transferring configuration files or IOS images, especially in environments where simplicity is more critical than security:

Advantages:

It has a lightweight footprint, making it easy to use and configure.

Useful for transferring small files such as backup configs or small IOS images.

Disadvantages:

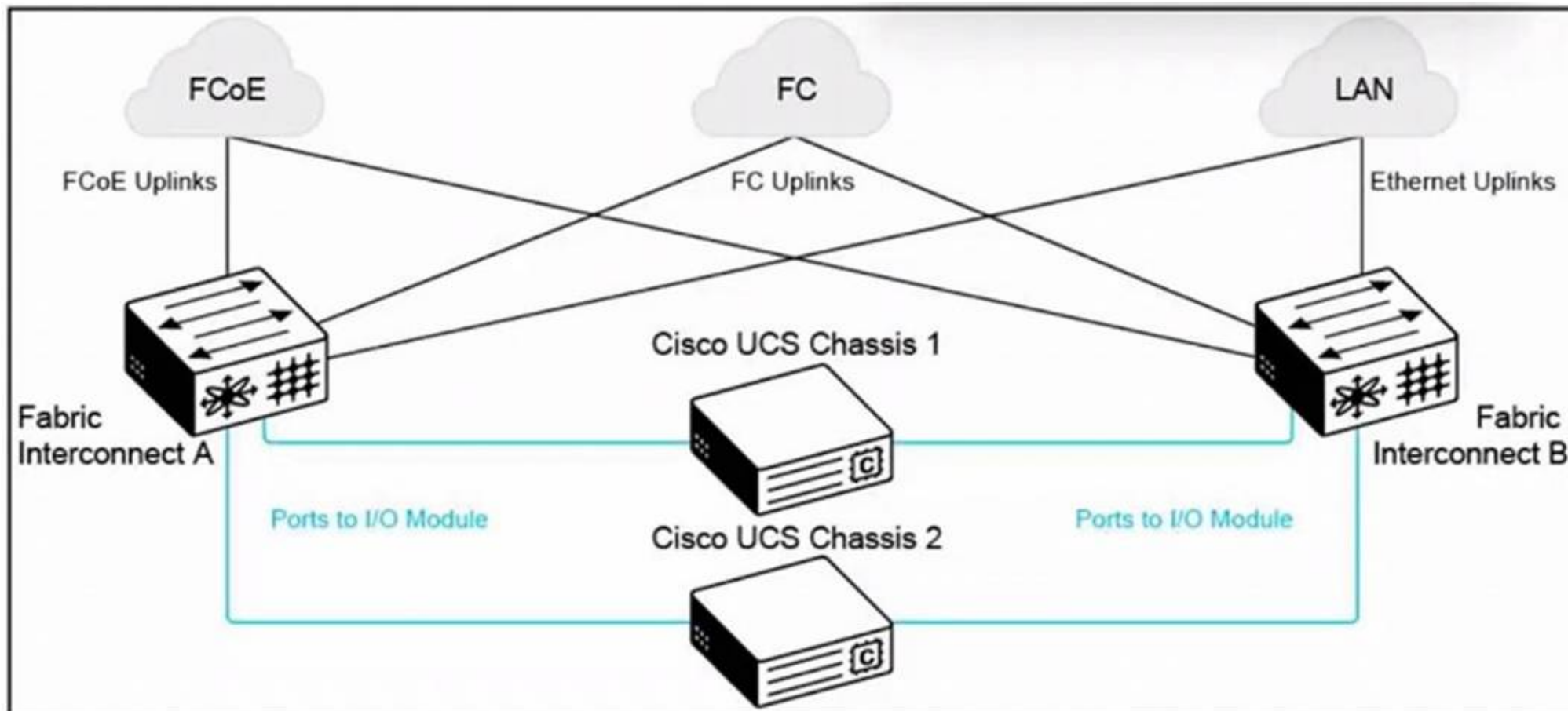
Lacks encryption and does not support authentication, making it insecure for sensitive or production environments.

Not efficient for large file transfers due to its limited feature set and reliance on UDP (User Datagram Protocol).

This makes TFTP a good fit for trusted internal networks where simplicity is preferred over robust security.

NEW QUESTION 50

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 52

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 57

DRAG DROP

Drag and drop the failures from the left onto the responsible devices in the MDS field- replaceable unit on the right.

inability to manage or control switch functions	fan module
failure to maintain optimal temperatures	supervisor module
loss of connectivity on specific ports	fabric module
inability to establish fiber optic connections	line card
degraded internal data transfer between line cards	transceivers

- A. Mastered
- B. Not Mastered

Answer: A

Explanation:

inability to manage or control switch functions	failure to maintain optimal temperatures
failure to maintain optimal temperatures	inability to manage or control switch functions
loss of connectivity on specific ports	degraded internal data transfer between line cards
inability to establish fiber optic connections	loss of connectivity on specific ports
degraded internal data transfer between line cards	inability to establish fiber optic connections

NEW QUESTION 61

Which type of license is locally managed and does not require external tools for management?

- A. Hybrid licenses
- B. PAK licenses
- C. RTU licenses
- D. Smart licenses

Answer: C

NEW QUESTION 64

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