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010-151 DCTECH Exam Questions

The Cisco 010-151 (Supporting Cisco Data Center System Devices) exam is associated with the CCT Data Center certification. This practice test covers Cisco Data Center ecosystem fundamental concepts, field-replaceable units (FRUs), cabling, and basic troubleshooting for Nexus and UCS systems.

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1. What does the system status LED look like when an over temperature or major alarm occurs on the Cisco UCS 6120XP Fabric Interconnect?

☐ A. Amber☐ B. Red☒ C. Blinking amber☐ D. Blinking red

✓ **Correct !**

On the Cisco UCS 6120XP Fabric Interconnect, the system status LED shows a blinking amber light when an over temperature or major alarm occurs. This is a critical hardware alert that requires immediate attention.

2. Which two major components does a Cisco Nexus 1000V Series Switch have? (Choose two.)

☐ A. Virtual Fiber Channel Module☒ B. Virtual Ethernet Module☒ C. Virtual Supervisor Module☐ D. Virtual Memory Controller Module☐ E. Virtual Network Module

✔ **Correct !**

The Cisco Nexus 1000V Series Switch is a virtual switch that consists of two major components: the Virtual Ethernet Module (VEM) and the Virtual Supervisor Module (VSM). VSM handles control plane functions while VEM handles data plane forwarding.

3. Which Cisco MDS model supports the most Fibre Channel ports per chassis?

☒ A. MDS 9513☐ B. MDS 9509☐ C. MDS 9506☐ D. MDS 9250i

✔ **Correct !**

The Cisco MDS 9513 Director Switch supports the most Fibre Channel ports per chassis among the listed models, offering high-density connectivity for large-scale storage area networks.

4. Refer to the image. What is the name of this rack-mount server?



☐ A. Cisco UCS C220 Rack-Mount Server

☐ B. Cisco UCS C240 Rack-Mount Server

☒ C. Cisco UCS C420 Rack-Mount Server

☐ D. Cisco UCS C460 Rack-Mount Server

✓ **Correct !**

Based on the image, the rack-mount server is the Cisco UCS C420 Rack-Mount Server, identifiable by its unique chassis design and form factor.

5. Which type of optics module is supported by a 12-port 100 GE Cisco Nexus 7700 F3 Series I/O module?

☒ A. CPAK

☐ B. QSFP+☐ C. SFP/SFP+☐ D. CFP

✔ **Correct !**

The 12-port 100 GE Cisco Nexus 7700 F3 Series I/O module supports CPAK optics modules, which are designed for high-speed 100 Gigabit Ethernet connectivity.

6. Which command-line interface mode is best described by this prompt? UCS-switch-A (nxos)#

☐ A. maintenance mode☒ B. EXEC mode☐ C. local management mode☐ D. global configuration mode☐ E. Cisco IOS mode

✔ **Correct !**

The prompt 'UCS-switch-A (nxos)#' indicates EXEC mode (also known as user EXEC mode). This is the default mode after logging in, allowing basic monitoring commands but not configuration changes.

7. Which Cisco NX-OS command displays kernel uptime?

☐ A. show module

☒ B. show version

☐ C. show license

☐ D. show boot

☐ E. show interface

✔ **Correct !**

The 'show version' command in Cisco NX-OS displays detailed system information including the kernel uptime, showing how long the system has been continuously running since the last reboot.

8. Which three components are hot swappable in a Cisco UCS Blade Server and Chassis? (Choose three.)

☒ A. Fabric Extender

☒ B. Power supply

☐ C. Heat sink

☒ D. SAS Hard Drive

☐ E. 2x8GB Kit DIMMs

☐ F. Mezzanine card

✔ **Correct !**

In a Cisco UCS Blade Server and Chassis, the hot-swappable components include Fabric Extenders (IOM modules), Power supplies, and SAS Hard Drives. These can be replaced without powering down the chassis.

9. Which three tools are necessary to console into a Cisco UCS C-Series Rack-Mount Server? (Choose three.)

☐ A. Cisco DB-9-to-RJ-45 console cable

☐ B. laptop

☒ C. monitor

☒ D. keyboard

☒ E. KVM dongle

☐ F. USB serial adapter

✔ Correct !

To console into a Cisco UCS C-Series Rack-Mount Server, you need a monitor, keyboard, and KVM dongle. The KVM dongle connects to the server front panel, providing VGA and USB ports for console access.

10. On which three Cisco devices can the Host Upgrade Utility be performed? (Choose three.)

☒ A. C420

☐ B. C230

☐ C. B230

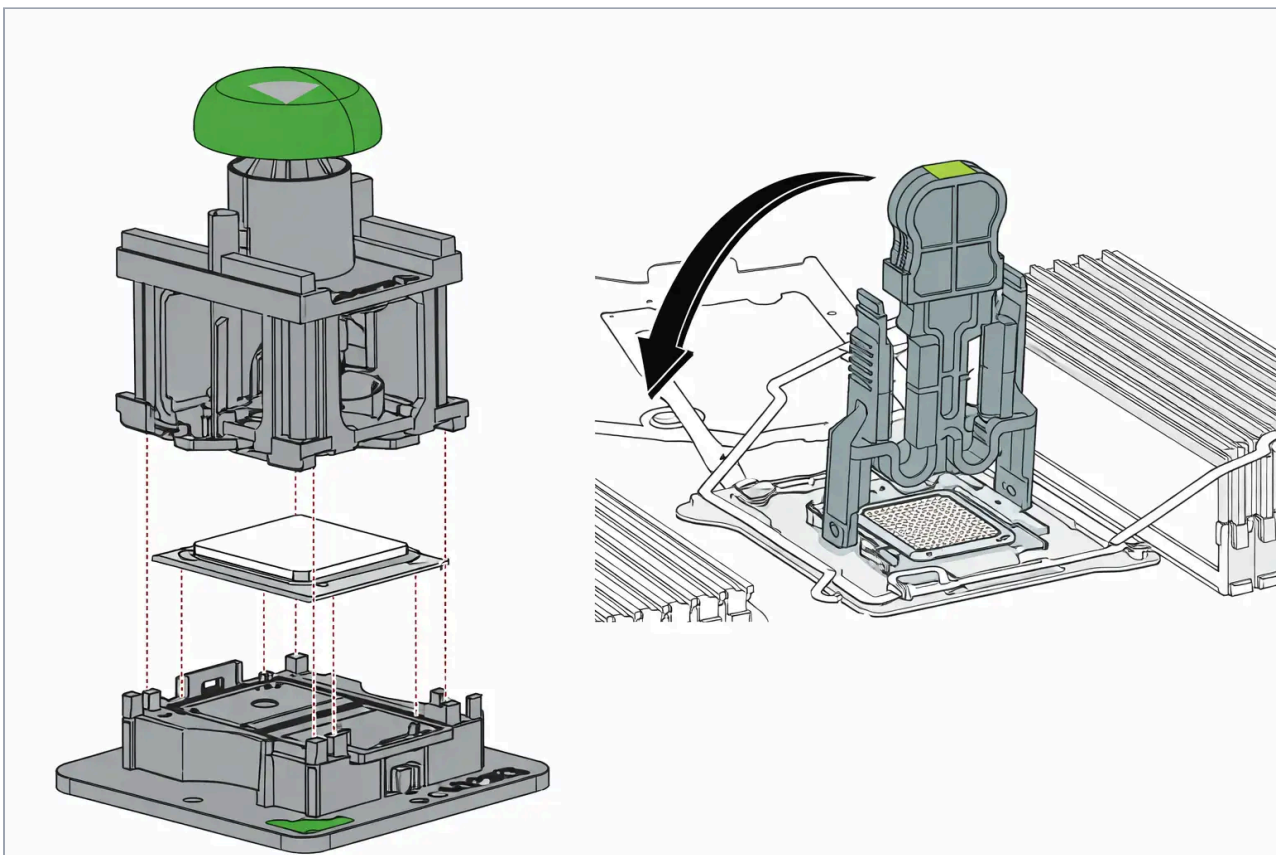
☐ D. B210

☒ E. C210

☐ F. B460☒ G. C240**✔ Correct !**

The Host Upgrade Utility (HUU) can be performed on Cisco UCS C-Series rack servers including the C420, C210, and C240 models. These servers support firmware upgrades using the HUU tool.

11. Refer to the exhibit. This image shows a CPU Pick-and-Place tool and a CPU Socket Protective Cap Removal tool. Which types of Cisco UCS servers and Intel Xeon processors do these tools support?



☐ A. Cisco UCS B22 Blade Server, C22 Rack Server, and C24 Rack Server with Intel Xeon E5-2400 Series processors

☐ B. Cisco UCS B22 Blade Server, C22 Rack Server, and C24 Rack Server with Intel Xeon E5-2600 Series processors



C. Cisco UCS B200 M3 Blade Server, B420 M3 Blade Server, C220 Rack Server, C240 Rack Server, and C420 Rack Server with Intel Xeon E5-2400 Series processors



D. Cisco UCS B200 M3 Blade Server, B420 M3 Blade Server, C220 Rack Server, C240 Rack Server, and C420 Rack Server with Intel Xeon E5-2600 Series processors

✓ **Correct !**

The CPU Pick-and-Place tool and CPU Socket Protective Cap Removal tool support Cisco UCS B200 M3, B420 M3, C220, C240, and C420 servers with Intel Xeon E5-2600 Series processors. These tools are designed for safe CPU installation.

12. When a host firmware package policy is created, what must it be associated with to upgrade the BIOS?



A. blade or blade pool



B. service profile



C. boot policy



D. service template

✓ **Correct !**

When a host firmware package policy is created, it must be associated with a service profile to upgrade the BIOS. The service profile applies the firmware policy to the associated server.

13. Which two Cisco Nexus switches provide the foundation of the Cisco Application Centric Infrastructure? (Choose two.)



A. Cisco Nexus 7718 switch

☒ B. Cisco Nexus 9508 switch

☐ C. Cisco Nexus 7710 switch

☒ D. Cisco Nexus 93128TX switch

☐ E. Cisco Nexus 6004 switch

✔ Correct !

The Cisco Nexus 9508 switch and Cisco Nexus 93128TX switch provide the foundation of the Cisco Application Centric Infrastructure (ACI). These switches serve as spine and leaf nodes in ACI fabric deployments.

14. What is the maximum number of supervisor modules that the Cisco MDS 9710 Switch supports?

☐ A. 1

☒ B. 2

☐ C. 4

☐ D. 6

☐ E. 8

✔ Correct !

The Cisco MDS 9710 Switch supports a maximum of 2 supervisor modules, providing redundant control plane capabilities for high availability in storage networks.

15. Which device provides analysis of Fibre Channel traffic without any network disruption?

- ☐ A. Cisco MDS 9000 Data Analyzer Adapter
- ☒ B. Cisco MDS 9000 Port Analyzer Adapter
- ☐ C. Cisco MDS 9000 Channel Analyzer Device
- ☐ D. Cisco MDS 9000 Channel Analyzer Adapter

✓ Correct !

The Cisco MDS 9000 Port Analyzer Adapter (PAA) provides analysis of Fibre Channel traffic without any network disruption by using SPAN (Switched Port Analyzer) technology to mirror traffic to a monitoring port.

16. Which three steps do you perform to troubleshoot when a rack server powers on with no video? (Choose three.)

- ☒ A. Check that the front I/O dongle is properly seated
- ☒ B. Check the front I/O cable connection to the motherboard
- ☒ C. Check for memory subsystem failure
- ☐ D. Verify the power source to equipment
- ☐ E. Reseat the DIMMs, CPU, and PCI card

✓ Correct !

When troubleshooting a rack server that powers on with no video, you should: check the front I/O dangle is properly seated, check the front I/O cable connection to the motherboard, and check for memory subsystem failure as these are common causes.

17. What does the system status LED indicate on a Cisco UCS Fabric Interconnect when a major hardware fault is detected?

☐ A. Steady green

☐ B. Steady amber

☒ C. Blinking amber

☐ D. Blinking red

✔ **Correct !**

The Cisco UCS 6120XP Fabric Interconnect uses a blinking amber system status LED to indicate major alarms such as over-temperature conditions. This provides immediate visual alerting for critical hardware issues.

18. Which component in the Cisco UCS architecture provides the unified fabric connectivity for both blade and rack servers?

☒ A. Fabric Interconnect

☐ B. Fabric Extender

☐ C. UCS Manager

☐ D. Virtual Interface Card

✔ **Correct !**

Cisco UCS Fabric Interconnects are the core component that connects blade chassis and rack servers to the unified fabric, providing both network and storage connectivity.

19. Which Cisco UCS server series is designed as a standalone rack-mount server?

☐ A. B-Series

☐ B. S-Series

☒ C. C-Series

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✓ **Correct !**

Cisco UCS C-Series servers are rack-mount servers that provide standalone server capabilities, while B-Series servers are blade servers that fit into a UCS chassis.

20. Which operating system is used on Cisco Nexus and MDS series switches?

☐ A. Cisco IOS

☐ B. Cisco IOS XR

☐ C. Cisco CatOS

☒ D. Cisco NX-OS

✓ **Correct !**

Cisco NX-OS is the operating system used on Cisco Nexus switches and MDS switches, providing data center-class features such as high availability, scalability, and programmability.

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Your Path to CCT Data Center Certification Starts Here

At CoursMoooc.com, we believe in working **smarter, not harder**. This practice test for the Cisco Certified Technician (CCT) Data Center (010-151) exam is built on real exam insights, hardware knowledge, and official Cisco documentation. Whether you're aiming to validate your data center hardware skills or preparing for your first Cisco certification, these 20 questions reflect the actual exam style.

What's Covered in the 010-151 Exam ?

The CCT Data Center exam focuses on hardware installation, troubleshooting, and maintenance of Cisco UCS, Nexus, and MDS platforms. You'll encounter questions about LED status indicators, NX-OS CLI modes, hot-swappable components, optics modules, and service profile architecture. This practice test mirrors those objectives with detailed explanations to reinforce your understanding.

Why Hands-On 010-151 Exam Practice Matters ?

Just like configuring a real UCS Fabric Interconnect or diagnosing a failed power supply, answering scenario-based questions builds muscle memory. Use this interactive quiz to test your knowledge, reveal weak spots, and gain confidence before the actual exam. Each answer includes a concise technical explanation to help you retain key concepts.

Get Ready for Exam Success

Start with these 20 core questions, then explore more advanced topics like vPC, FCoE, and UCS Manager policies. Certification in data center technologies opens doors to high-demand roles in infrastructure and cloud operations. Keep practicing, stay curious, and remember: every expert was once a beginner.

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