

Cisco 800-150 Testantworten & 800-150 Zertifizierungsfragen



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Unsere Prüfungsunterlage zu Cisco 800-150 (Supporting Cisco Devices for Field Technicians) enthält alle echten, originalen und richtigen Fragen und Antworten. Die Abdeckungsrate unserer Unterlage (Fragen und Antworten) zu Cisco 800-150 (Supporting Cisco Devices for Field Technicians) ist normalerweise mehr als 98%.

Cisco 800-150 Prüfungsplan:

Thema	Einzelheiten
Thema 1	• Cisco UCS and Data Center Architecture: This section of the exam measures the skills of a Data Center Engineer and introduces Cisco's UCS and data center solutions. It explains the devices found in a data center, including switches, UCS servers, and director switches, and describes different server deployment models. Students will also learn about virtualization components like virtual machines, hypervisors, cloud computing concepts, and deployment models. The section covers how Cisco UCS devices fit into campus networks, edge locations, and data centers, and explains the key components and connections used in UCS architecture.

Thema 2	• Cisco Infrastructure and Collaboration Infrastructure: This section of the exam measures the skills of a Collaboration Engineer and focuses on Cisco infrastructure devices, endpoints, and collaboration technologies. It introduces network devices, collaboration endpoints like IP phones and video systems, and explains on-premises collaboration deployments using tools like Cisco Unified Communications Manager. It also covers how video systems integrate into collaboration environments and highlights Cisco's cloud services for enterprise communication, including Webex Meetings, Webex Teams, and hosted collaboration solutions.
Thema 3	• Networking Foundations: This section of the exam measures the skills of a Network Engineer and covers the basic building blocks of computer networking. It explains different types of networks like local area networks and wireless networks, and introduces lightweight wireless LANs. It describes the layers of communication models like the OSI model and TCP • IP stack, and explains how data moves across networks. It also discusses the physical cabling used in networks, such as Ethernet and fiber optics. Students will learn about network switching, IP addressing, subnetting, and routing at Layer 3. The section also introduces Cisco's campus network devices, data center switches, UCS servers, and collaboration devices, describing their roles and functions in the network.
Thema 4	• Cisco Hardware Replacement: This section of the exam measures the skills of a Technical Support Engineer and teaches how to safely and correctly replace Cisco hardware. It explains safety procedures such as creating safe work zones and handling electrostatic discharge. Students learn the step-by-step processes to replace a wide range of Cisco devices, from switches and routers to firewalls, UCS servers, and collaboration endpoints. It also covers configuring Cisco NX-OS software, including understanding operating modes, boot procedures, and password recovery, and introduces Cisco collaboration endpoint solutions like IP phones and video systems.
Thema 5	• Common Service Tasks and Tools: This section of the exam measures the skills of a Technical Support Engineer and focuses on tasks commonly needed to manage Cisco devices. It explains how devices boot up, introduces common Cisco IOS commands, and identifies tools for file management. It shows how to confirm physical connections, remotely access devices, and connect to the console port. It also covers how to capture the status of a device, recover passwords, and replace devices by using proper tools. Students are also taught how to find serial numbers on Cisco equipment to assist with support and maintenance activities.

>> Cisco 800-150 Testantworten <<

800-150 Zertifizierungsfragen & 800-150 Echte Fragen

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Cisco Supporting Cisco Devices for Field Technicians 800-150 Prüfungsfragen mit Lösungen (Q14-Q19):

14. Frage

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**

Antwort: D

Begründung:

In a Class B network, the default subnet mask is 255.255.0.0, which allocates:

- * 16 bits for the network portion
- * 16 bits for the host portion

When the subnet mask is changed to 255.255.255.0, it becomes:

- * 24 bits for the network portion
- * 8 bits for the host portion

This indicates that 8 bits have been borrowed from the host portion to create additional subnets. Borrowing bits allows for the division of the original network into smaller sub-networks, enhancing organization and security within the network.

Reference: Supporting Cisco Devices for Field Technicians (FLDTEC) - Cisco IOS Software Basics

15. Frage

Which function does the Stack Port 1 serve on a Cisco Meraki switch?

- A. It serves as a high-speed interconnect for clustered switches.
- B. It connects to the Stack Port 2 of the previous switch in a stack configuration.
- C. It provides a dedicated uplink to the Meraki cloud for management.
- D. It connects to the Stack Port 2 of the next switch in a stack configuration.

Antwort: A

Begründung:

On Cisco Meraki switches, Stack Port 1 (along with Stack Port 2) is used to form a physical stacking connection between multiple switches. These stack ports are dedicated high-speed interconnects that enable multiple switches to operate as a single logical switch.

The stacking topology depends on the number of switches, but Stack Port 1 serves as one side of this high-speed inter-switch communication channel - not for management or cloud access.

16. Frage

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

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

Antwort: D

Begründung:

Backing up the configuration of a network device before replacement is a critical step to ensure business continuity and minimize downtime. The primary purpose of this backup is to restore the existing settings onto the new device, ensuring that it operates identically to the one being replaced.

This process includes preserving interface configurations, routing protocols, access control lists, and other essential parameters. By restoring the backed-up configuration to the new device, network administrators can quickly reintegrate it into the network infrastructure without the need for manual reconfiguration, thereby reducing the risk of errors and service disruptions.

Options A, B, and C do not align with the primary objective of configuration backups in the context of device replacement.

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

17. Frage

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

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

Antwort: B,C

Begründung:

To ensure high availability and fault tolerance in Cisco data center designs, two effective strategies include:

Redundant Supervisor Engines and Fabric Modules: These provide failover capabilities, so if one supervisor or fabric module fails, another can take over, maintaining network operations without interruption.

Virtual Port Channels (vPCs): vPCs allow connections to be made to two physical switches while appearing as one logical switch. This prevents loops and adds redundancy and load balancing, which is critical in high-availability environments.

Other options may enhance performance (e.g., high-density Ethernet) or extend functionality (e.g., FCIP), but do not directly contribute to fault tolerance and high availability in the same way.

18. Frage

Which Layer 2 technology extends to access layer devices, allowing individual switch ports to be assigned for network and traffic management in an enterprise network?

- A. MPLS
- **B. VLANs**
- C. BGP
- D. OSPF

Antwort: B

Begründung:

In an enterprise network, Virtual Local Area Networks (VLANs) are the key Layer 2 technology used to logically segment a network into multiple broadcast domains. VLANs allow network administrators to assign individual switch ports to specific VLANs, enabling effective network segmentation and traffic management.

This configuration extends to access layer devices, such as switches where end-user devices connect. By isolating traffic into VLANs, administrators can improve network performance, enhance security by separating sensitive departments (such as finance and HR), and simplify network management.

Unlike routing protocols such as BGP and OSPF, which operate at Layer 3, or MPLS, which is a Layer 2.5 forwarding technology used primarily in service provider networks, VLANs are explicitly designed for Layer 2 segmentation within LAN environments.

19. Frage

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