

Examinations 200-301 Actual Questions, Sample 200-301 Questions Pdf

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What is the IEEE of Bluetooth? - correct answer ☒ 802.15 WPAN.

What is WiMAX and it IEEE? - correct answer ☒ -Worldwide Interoperability for Microwave Access

-IEEE 802.16 WWAN.

In cellular broadband there are two types of cellular networks, what are they? - correct answer ☒ Global System for Mobile (GSM) and Code Division Multiple Access (CDMA).

GSM is internationally recognized, while CDMA is primarily used in the US.

Typically, it is used by rural homeowners and businesses where cable and DSL are not available. It is usually more expensive and requires a clear line of sight. - correct answer ☒ Satellite Broadband

What is the 802.11 WLAN? - correct answer ☒ WiFi/wireless devices are based on IEEE 802.11.

set of protocols and wireless local area network (WLAN) Wi-Fi computer communication in various frequencies

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Cisco 200-301 exam is a comprehensive test that evaluates the candidate's understanding of networking concepts and practical skills required to design, implement, and troubleshoot small to medium-sized enterprise networks. 200-301 exam is designed to test the candidate's knowledge of network protocols, routing and switching technologies, network security, wireless LANs, and other essential networking concepts. Successful completion of the exam proves that the candidate has the knowledge and skills to work with Cisco routers, switches, and related technologies, making them valuable assets to any organization looking to build or maintain their network infrastructure.

Cisco 200-301 exam is a challenging exam that requires a solid understanding of networking concepts and practical experience in implementing and managing Cisco networks. It is recommended that candidates have at least one year of experience in the field of networking before attempting 200-301 Exam. The CCNA certification obtained after passing 200-301 exam is widely recognized in the industry and is a valuable credential for professionals looking to advance their careers in networking.

Cisco 200-301 exam covers various topics that are essential for any network engineer or technician. These topics include network fundamentals, network access, IP connectivity, IP services, security fundamentals, and automation and programmability. 200-301 exam also tests candidates on their ability to configure, troubleshoot, and manage network devices, as well as their knowledge of wireless networking and network architecture.

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Sample 200-301 Questions Pdf & 200-301 Valid Dumps Sheet

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Cisco Certified Network Associate Exam Sample Questions (Q50-Q55):

NEW QUESTION # 50



Refer to the exhibit. After the configuration is applied, the two routers fail to establish an OSPF neighbor relationship. what is the reason for the problem?

- A. The OSPF router IDs are mismatched.
- B. The OSPF process IDs are mismatched.
- C. The network statement on Router1 is misconfigured.
- D. Router2 is using the default hello timer.

Answer: D

NEW QUESTION # 51

Refer to Exhibit.

```

switchport trunk encapsulation dot1q
switchport mode trunk
switchport trunk allowed vlan 100,200,300
channel-group 1 mode active

```

```

SW1#show run interface fastEthernet 0/2
switchport trunk encapsulation dot1q
switchport mode trunk
switchport trunk allowed vlan 100,200
channel-group 1 mode active

```

```

SW2#show run interface fastEthernet 0/1
switchport trunk encapsulation dot1q
switchport mode trunk
switchport trunk allowed vlan 100,200,300
channel-group 1 mode active

```

```

SW2#show run interface fastEthernet 0/2
switchport trunk encapsulation dot1q
switchport mode trunk
switchport trunk allowed vlan 100,200,300
channel-group 1 mode active

```

Refer to the exhibit. An engineer is building a new Layer 2 LACP EtherChannel between SW1 and SW2. and they executed the given show commands to verify the work. Which additional task must be performed so that the switches successfully bundle the second member in the LACP port-channel?

- A. Configure the switchport trunk allowed vlan add 300 command on SW1 port-channel 1
- B. Configure the switchport trunk allowed vlan add 300 command on interface FaO 2 on SW2.
- C. Configure the switchport trunk allowed vlan 300 command on SW1 port-channel 1
- **D. Configure the switchport trunk allowed vlan 300 command on interface Fa0/2 on SW1.**

Answer: D

NEW QUESTION # 52

What is the role of the root port in a switched network?

- A. It replaces the designated port when the designated port fails
- **B. It is the best path to the root from a nonroot switch.**
- C. It is administratively disabled until a failover occurs.
- D. It replaces the designated port when the root port fails.

Answer: B

Explanation:

Explanation

The root port is the port on a nonroot switch that has the lowest cost to reach the root bridge in a switched network. The root bridge is the switch that is elected as the central point of the network by the spanning tree protocol (STP). The root port is responsible for forwarding traffic to the root bridge, and it is always in a forwarding state. The cost of a port is determined by the speed and bandwidth of the link, and the lower the cost, the better the path. If there are multiple paths to the root bridge with the same cost, the switch will choose the one with the lowest bridge ID as the tiebreaker. The root port does not replace or replace any designated port, which is the port that forwards traffic on a network segment. The root port is also not administratively disabled or enabled, but it is dynamically selected by STP1234.

References:

- 1: Solved: STP: Root port vs. designated port - Cisco Community
- 2: Difference between Root Port and Designated Port - GeeksforGeeks
- 3: What is a Root Port - Snabay Networking
- 4: What is a Root Port - omniseu.com

NEW QUESTION # 53

What role does a hypervisor provide for each virtual machine in server virtualization?

- A. infrastructure-as-a-service.
- B. services as a hardware controller.
- C. Software-as-a-service
- **D. control and distribution of physical resources**

Answer: D

Explanation:

The hypervisor creates and manages virtual machines on a host computer and allocates physical system resources to them.

NEW QUESTION # 54

in Which way does a spine and-leaf architecture allow for scalability in a network when additional access ports are required?

- **A. A leaf switch can be added with connections to every spine switch**
- B. A spine switch and a leaf switch can be added with redundant connections between them
- C. A spine switch can be added with at least 40 GB uplinks
- D. A leaf switch can be added with a single connection to a core spine switch.

Answer: A

Explanation:

Spine-leaf architecture is typically deployed as two layers: spines (such as an aggregation layer), and leaves (such as an access layer). Spine-leaf topologies provide high-bandwidth, low-latency, nonblocking server-to-server connectivity.

Leaf (aggregation) switches are what provide devices access to the fabric (the network of spine and leaf switches) and are typically deployed at the top of the rack. Generally, devices connect to the leaf switches.

Devices can include servers, Layer 4-7 services (firewalls and load balancers), and WAN or Internet routers. Leaf switches do not connect to other leaf switches. In spine-and-leaf architecture, every leaf should connect to every spine in a full mesh.

Spine (aggregation) switches are used to connect to all leaf switches and are typically deployed at the end or middle of the row.

Spine switches do not connect to other spine switches.

Reference: <https://www.cisco.com/c/en/us/products/collateral/switches/nexus-9000-series-switches/guide-c07-733228.html>

NEW QUESTION # 55

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