



300-115^{Q&As}

Implementing Cisco IP Switched Networks

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QUESTION 1

A Cisco Catalyst switch that is prone to reboots continues to rebuild the DHCP snooping database. What is the solution to avoid the snooping database from being rebuilt after every device reboot?

- A. A DHCP snooping database agent should be configured.
- B. Enable DHCP snooping for all VLANs that are associated with the switch.
- C. Disable Option 82 for DHCP data insertion.
- D. Use IP Source Guard to protect the DHCP binding table entries from being lost upon rebooting.
- E. Apply ip dhcp snooping trust on all interfaces with dynamic addresses.

Correct Answer: A

Minimum DHCP Snooping Configuration

The minimum configuration steps for the DHCP snooping feature are as follows:

1. Define and configure the DHCP server.
2. Enable DHCP snooping on at least one VLAN.

By default, DHCP snooping is inactive on all VLANs.

3. Ensure that DHCP server is connected through a trusted interface. By default, the trust state of all interfaces is untrusted. 4. Configure the DHCP snooping database agent. This step ensures that database entries are restored after a restart

or switchover. 5. Enable DHCP snooping globally. The feature is not active until you complete this step.

Reference:

<http://www.cisco.com/en/US/docs/switches/lan/catalyst6500/ios/12.2SX/configuration/guide/snoodhcp.html#wp1090479>

QUESTION 2

Select and Place:



Multiple (or Increment) of 4096

Default value in based on interface speed

Lower the better

Multiple (or Increment) of 16

Ranges from 1 – 200,000,000

Default value is 128

Port Priority

Switch Priority

Path Cost

Correct Answer:

Blank answer area

Port Priority

Multiple (or Increment) of 16

Default value is 128

Switch Priority

Multiple (or Increment) of 4096

Lower the better

Path Cost

Default value in based on interface speed

Ranges from 1 – 200,000,000

QUESTION 3

Which command prevent ill access port-; on a switch from sending or receiving BPDUs Us?

- A. spanning-tree portfast bpduguard default
- B. spanning-tree portfast bpdufilter default
- C. spanning-tree bpdufilter default
- D. spanning-tree bpdufilter enable



Correct Answer: D

QUESTION 4

A network engineer configured an Ethernet switch using these commands. Switch1(config) # spanning-tree portfast bpduguard default Which statement about the spanning-tree portfast feature on the switch is true?

- A. If an interface is enabled for portfast receives BPDU, the port goes through the spanning-tree listening, learning, and forwarding states
- B. If an interface is enabled for portfast receives BPDU, the port does not go through the spanning-tree listening, learning, and forwarding states.
- C. If an interface is enabled for portfast receives BPDU, the port is shut down immediately
- D. If an interface is enabled for portfast receives BPDU, the port goes into the spanning-tree inconsistent state

Correct Answer: A

QUESTION 5

A question about native VLAN set to 539.

- A. STP frames untagged on VLAN 539
- B. STP frames tagged on VLAN 539
- C. STP frames tagged on VLAN 1
- D. STP frames untagged on VLAN 1

Correct Answer: A

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