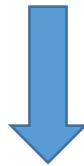


## Cisco CCNP Certification 300-115 Exam



- Vendor: Cisco
- Exam Code: 300-115
- Exam Name: Implementing Cisco IP Switched Networks (SWITCH)

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<https://www.passleader.com/300-115.html>

**NEW QUESTION 390**

Which feature do you implement so that an interface enters the root inconsistent state if it receives a superior BPDU?

- A. DPDU filter
- B. root guard
- C. BPDU guard
- D. loop guard

**Answer: B**

**NEW QUESTION 391**

In which two ways can a port respond to a port-security violation? (Choose two.)

- A. The port enters the en-disabled state.
- B. The Security Violation counter is incremented and the port sends an SNMP trap.
- C. The Security Violation counter is incremented and the port sends a critical syslog message to the console.
- D. The port triggers an EEM script to notify support staff and continues to forward traffic normally.
- E. The port immediately begins to drop all traffic.
- F. The port enters the shutdown state.

**Answer: AF**

**NEW QUESTION 392**

Which three functions does Dynamic ARP Inspection perform with invalid IP-to MAC address bindings? (Choose three.)

- A. accepts
- B. deletes
- C. discards
- D. bypasses
- E. intercepts
- F. logs

**Answer: CEF**

**NEW QUESTION 393**

Which two statements about 802.1Q are true? (Choose two.)

- A. It encapsulates the original Ethernet frame and adds a VLAN identifier.
- B. It increases the maximum size an Ethernet frame to 1094 bytes.
- C. It is a Cisco proprietary protocol.
- D. When It is enabled, it forces a recalculation of the frame check sequence field.
- E. It supports 8-byte VLAN identifiers.
- F. It adds a 32-bit field to the Ethernet frame between the source MAC address and length fields.

**Answer: DF**

**Explanation:**

[https://en.wikipedia.org/wiki/IEEE\\_802.1Q](https://en.wikipedia.org/wiki/IEEE_802.1Q)

**NEW QUESTION 394**

A physical switch port is part of an EtherChannel group. What happens while the same port configured as a SPAN destination?

- A. The port forwards traffic in the EtherChannel group and acts as a SPAN source simultaneously.
- B. The port is removed from the EtherChannel group.
- C. The port is put in the errdisabled state and can only be reenabled manually.
- D. The operation is not allowed as an EtherChannel member cannot be a SPAN source port.

**Answer: D**

**NEW QUESTION 395**

Which two statements about CDP are true? (Choose two.)

- A. CDP uses a TLV to advertise the native VLAN
- B. CDP is not supported with SNMP
- C. CDP is supported on Frame Relay sub interfaces.
- D. CDP runs on OSI layer 2
- E. CDP runs on OSI layer 1

**Answer: AC**

**Explanation:**

[https://en.wikipedia.org/wiki/Cisco\\_Discovery\\_Protocol](https://en.wikipedia.org/wiki/Cisco_Discovery_Protocol)

**NEW QUESTION 396**

Which two combinations of Ether Channel modes support the formation of an EtherChannel? (Choose two.)

- A. desirable, passive
- B. desirable, desirable
- C. active, passive
- D. passive, passive
- E. active, desirable

**Answer: BC**

**NEW QUESTION 397**

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**NEW QUESTION 399**

Which two commands sequences must you enter on a pair switches so that they negotiate? (Choose two.)

- A. channel-protocol lACP  
channel-group 1 mode auto
- B. channel-protocol lACP  
channel-group 1 mode passive
- C. channel-protocol PAGP  
channel-group 1 mode on
- D. channel-protocol PAGP  
channel-group 1 mode auto
- E. channel-protocol lACP  
channel-group 1 mode active

**Answer: BE**

**NEW QUESTION 400**

Which two prerequisites for HSRP to become active on an interface are true? (Choose two.)

- A. Cisco Express Forwarding must be disabled globally.
- B. The VIP must be in the same subnet as the primary IP address.
- C. A Virtual-MAC address must be configured on the interface.
- D. An IP address must be configured on the interface.
- E. PIM routing must be disabled on the interface.

**Answer: BD**

**NEW QUESTION 401**

Which two authentication types does VRRP support? (Choose two.)

- A. Plain-text
- B. CHAP
- C. PAP
- D. 802.1X
- E. MD5

**Answer: AE**

**Explanation:**

[https://www.cisco.com/c/en/us/td/docs/ios-xml/ios/ipapp\\_fhrp/configuration/12-4/fhp-12-4-book/fhp-vrrp.html#GUID-B1CB24C0-2526-4790-A701-0105FDA69FC8](https://www.cisco.com/c/en/us/td/docs/ios-xml/ios/ipapp_fhrp/configuration/12-4/fhp-12-4-book/fhp-vrrp.html#GUID-B1CB24C0-2526-4790-A701-0105FDA69FC8)

**NEW QUESTION 402**

Which two limitations of LOCAL SPAN are true? (Choose two.)

- A. The source and destination ports must reside in the same switch or switch stack.
- B. It can monitor only traffic that ingresses or egresses on the source interface or VLAN.
- C. A SPAN session can support multiple destination ports only if they are on the same VLAN.
- D. EACH SPAN session supports only one source VLAN or interface.
- E. A switch can support only one local SPAN session at a time.

**Answer: AE**

**NEW QUESTION 403**

Which Statement about the default SWITCH Database Management Template is true?

- A. Template disables routing and supports the maximum number of unicast MAC addresses.
- B. Template maximizes system resources for access control lists.
- C. Template maximizes system resources for unicast routing.
- D. Template gives balance to all functions.

**Answer: D**

**Explanation:**

Default - The default template gives balance to all functions.

[https://www.cisco.com/c/en/us/td/docs/switches/lan/catalyst3750x\\_3560x/software/release/12-2\\_55\\_se/configuration/guide/3750xscg/swsdm.pdf](https://www.cisco.com/c/en/us/td/docs/switches/lan/catalyst3750x_3560x/software/release/12-2_55_se/configuration/guide/3750xscg/swsdm.pdf)

**NEW QUESTION 404**

Which results happens when a non-trunking port that is configured with BPDU guard is connected to a device that is transmitting?

- A. The port is moved into the spanning-tree blocking state.
- B. There port is error-disabled.
- C. A routing loop can occur on the network.
- D. The port transitions to the connected state.

**Answer: B**

**NEW QUESTION 405**

Which two settings are the parts of a Default LLDP configuration? (Choose two.)

- A. The LLDP hold time is 60 seconds.
- B. The LLDP global state is Disabled.
- C. The LLDP reinitialisation delay is 5 seconds.
- D. The LLDP interface state is Enabled.
- E. The LLDP timer is 60 seconds.

**Answer: BD**

**Explanation:**

Table 4 LLDP Default Configuration:

LLDP global state = Disabled.

LLDP interface state = Enabled for both transmit and receive operations when LLDP is globally enabled.

[https://www.cisco.com/c/en/us/td/docs/routers/ncs6000/software/ncs6k\\_r5-2/interfaces/configuration/guide/b-interfaces-cg-ncs6k-52x/b-interfaces-cg-ncs6k-52x\\_chapter\\_011.html#con\\_1061862](https://www.cisco.com/c/en/us/td/docs/routers/ncs6000/software/ncs6k_r5-2/interfaces/configuration/guide/b-interfaces-cg-ncs6k-52x/b-interfaces-cg-ncs6k-52x_chapter_011.html#con_1061862)

**NEW QUESTION 406**

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**NEW QUESTION 407**

Which two statements about GLBP are true? (Choose two.)

- A. The AVF responds to ARP request for the virtual IP address.
- B. LAN client traffic is handled by the active AVF only.
- C. The AVG assigns virtual MAC addresses to GLBP group members.
- D. The AVF assigns virtual MAC addresses to GLBP group members.
- E. The AVG responds to ARP requests for the Virtual IP address.

**Answer: CE**

**Explanation:**

The AVG assigns a virtual MAC address to each member of the GLBP group. The AVG is responsible for answering Address Resolution Protocol (ARP) requests for the virtual IP address.

[https://www.cisco.com/en/US/docs/ios/12\\_2t/12\\_2t15/feature/guide/ft\\_glbp.html#wp1039649](https://www.cisco.com/en/US/docs/ios/12_2t/12_2t15/feature/guide/ft_glbp.html#wp1039649)

**NEW QUESTION 408**

Which option is a CISCO recommended RSPAN configuration practice?

- A. Define RSPAN VLAN before configuring an RSPAN source and destination session.
- B. Assign access ports to an RSPAN VLAN like any other campus VLAN.
- C. Use a different RSPAN VLAN for each session if configuring RSPAN on multiple switches.
- D. Use only one destination port for EACH RSPAN Session.

**Answer: A**

**Explanation:**

[http://www.cisco.com/c/en/us/products/collateral/switches/catalyst-6500-series-switches/prod\\_white\\_paper0900aecd805457cc.html](http://www.cisco.com/c/en/us/products/collateral/switches/catalyst-6500-series-switches/prod_white_paper0900aecd805457cc.html)

**NEW QUESTION 409**

A network engineer wants to ensure Layer 2 isolation of customer traffic using a private VLAN. Which configuration must be configured before the VLAN is configured?

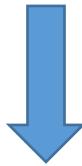
- A. Ensure all switches are configured as VTP server mode.
- B. Configure VTP Transparent mode.
- C. Enable VTP version 3.
- D. Disable VTP and manually assign VLANS.

**Answer: B**

**NEW QUESTION 410**

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