300-115^{Q&As}

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Implementing Cisco IP Switched Networks

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QUESTION 1

Which two operational attributes can be checked for EtherChannel ports that are in err-disabled state?

A. Port mode

B. Port cost

C. Duplex

D. DTP

E. VLAN

Correct Answer: AE

QUESTION 2

Which command globally enables AAA on a device?

A. aaa new-model

B. aaa authentication

C. aaa authorization

D. aaa accounting

Correct Answer: A

To configure AAA authentication, enable AAA by using the aaa new-model global configuration command.

AAA features are not available for use until you enable

AAA globally by issuing the aaa new-model command.

Reference:

http://www.cisco.com/c/en/us/td/docs/ios/12_2/security/configuration/guide/fsecur_c/scfathen.ht ml

QUESTION 3

HSRP Ferris Plastics, Inc. is a medium sized company, with an enterprise network (access, distribution and core switches) that provides LAN connectivity from user PCs to corporate servers. The distribution switches are configured to use HSRPto provide a high availability solution.
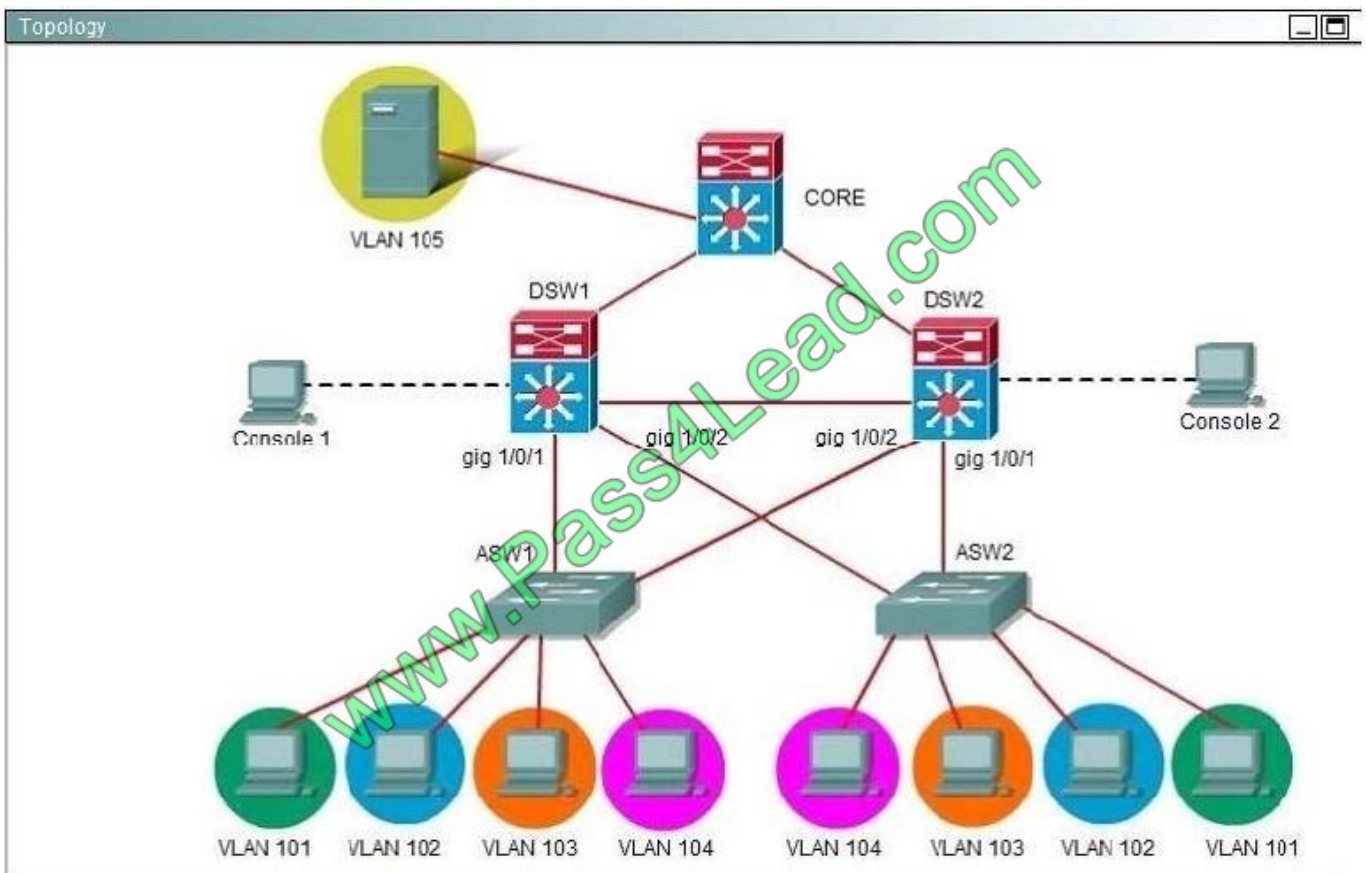
-DSW1 -primary device for VLAN 101 VLAN 102 andVLAN 105

-DSW2 - primary device for VLAN 103 and VLAN 104

- A failure of GigabitEthemet1/0/1 on primary device should cause the primary device to release its status as the primary device, unless GigabitEthernet1/0/1 on backup device has also failed. Troubleshooting has identified several issues. Currently all interfaces are up. Using the running configurations and show commands, you have been asked to investigate and respond to the following question.

```
Vlan105 - Group 5
  State is Standby
    10 state changes, last state change 02:54:51
  Virtual IP address is 192.168.105.254
  Active virtual MAC address is 0000.0c07.ac05
    Local virtual MAC address is 0000.0c07.ac05 (v1 default)
  Hello time 3 sec, hold time 10 sec
    Next hello sent in 1.516 secs
  Preemption enabled
  Active router is 192.168.105.?, priority 150 (expires in 7.786 sec)
  Standby router is local
  Priority 100 (default 100)
    Track interface GigabitEthernet1/0/1 state Up decrement 10
  IP redundancy name is "hsrp-Vl105-5" (default)
>SW2#
```


If GigabitEthemet1/0/1 on DSW2 is shutdown, what will be the resulting priority value of the VLAN 105 HSRP group on router DSW2?

A. 90

B. 100

C. 150

D. 200

Correct Answer: A

As seen below, the current priority for VLAN 105 is 100, and the tracking feature for Gig 1/0/0 is enabled which will decrement the priority by 10 if this interface goes down for a priority value of 90.

```
Vlan105 - Group 5
  State is Standby
    10 state changes, last state change 02:54:51
  Virtual IP address is 192.168.105.254
  Active virtual MAC address is 0000.0c07.ac05
    Local virtual MAC address is 0000.0c07.ac05 (V1 default)
  Hello time 3 sec, hold time 10 sec
    Next hello sent in 1.516 secs
  Preemption enabled
  Active router is 192.168.105.1, priority 150 (expires in 7.786 sec)
  Standby router is local
  Priority 100 (default 100)
    Track interface GigabitEthernet1/0/1 state Up decrement 10
  IP redundancy name is "hsrp-Vl105-5" (default)

DSW2#
```

QUESTION 4

Which two commands is used to remove VLAN 55 from the trunk port? (Choose two.)

A. switchport trunk allowed vlan add 3, remove 55

B. switchport trunk allowed vlan remove 55

C. switchport trunk allowed vlan except 55

Correct Answer: BC

QUESTION 5

For client server failover purposes, the application server team has indicated that they must not have the standard 30 second delay before their switchport enters a forwarding state. For their disaster recovery feature to operate successfully, they require the switchport to enter a forwarding state immediately. Which spanning- tree feature satisfies this requirement?

A. Rapid Spanning-Tree

B. Spanning-Tree Timers

C. Spanning-Tree FastPort

D. Spanning-Tree PortFast

E. Spanning-Tree Fast Forward

Correct Answer: D

In order to allow immediate transition of the port into forwarding state, enable the STP PortFast feature.

PortFast immediately transitions the port into STP

forwarding mode upon linkup. The port still participates in STP. So if the port is to be a part of the loop, the port eventually transitions into STP blocking mode.

Example configuration:

Switch-C# configure terminal

Switch-C(config)# interface range fa0/3 - 24 Switch-C(config-if-range)# spanning-tree portfast Reference:

http://www.informit.com/library/content.aspx? b=CCNP_Studies_SwitchingandseqNum=36

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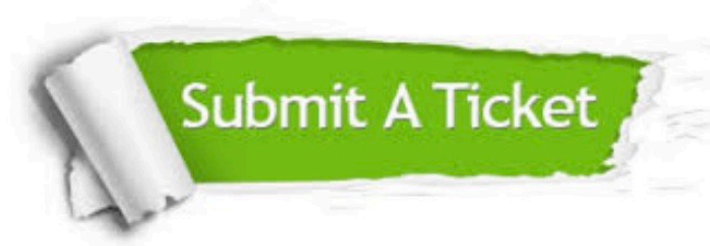Multi-Platform capabilities - Windows, Mac, Android, iPhone, iPod, iPad, Kindle

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