

# HP

## Exam HP0-Y21

### ProCurve Core Competencies

Version: 5.0

[ Total Questions: 79 ]

**Topic 0, A**

A

**Question No : 1 - (Topic 0)**

Which event triggers a connection-rate filter configured on a ProCurve switch?

- A. The number of connection requests generated by a source IP address exceeds a configured threshold.
- B. The aggregate flow of packets sent over a trunk or list of ports reaches a threshold.
- C. An excessive number of source IP addresses attempt to create a Denial of Service attack on a given destination IP address.
- D. The number of TCP SYN requests sent to any one of the switch's management interfaces exceeds a configured limit.

**Answer: A****Question No : 2 - (Topic 0)**

You have enabled and configured DHCP snooping on a ProCurve Switch 5406zl. How can you ensure the switch can maintain the DHCP snooping database if it is restarted?

- A. Configure ProCurve Manager to capture all permitted DHCP transactions.
- B. Enable snooping redundancy and specify a backup switch for DHCP transactions.
- C. Configure the switch to save the database to a TFTP server at regular intervals.
- D. Configure the switch to store the database in primary flash.

**Answer: C****Question No : 3 - (Topic 0)**

What can be used to identify the source of traffic when implementing remote traffic mirroring on ProCurve switches? (Select three.)

- A. ACL
- B. VLAN ID
- C. switch IP address
- D. router ID
- E. trunk
- F. port
- G. switch MAC address

Answer: B,E,F

**Question No : 4 - (Topic 0)**

What is the maximum number of port trunk groups that can be defined on a ProCurve Switch 5412zl?

- A. 12
- B. 24
- C. 36
- D. 48

Answer: C

**Question No : 5 - (Topic 0)**

You must configure a ProCurve Switch 8212zl to be the Owner of a VRID associated with VLAN 10. What is required of the virtual IP address for the VRID?

- A. It must be an address on a multi-netted interface.
- B. It must match the address assigned to VLAN 10 on the Backup router.
- C. It must use a classful network mask.
- D. It must match the router's address for the VLAN 10 interface.

Answer: D

**Question No : 6 - (Topic 0)**

You have defined VLANs and IP interfaces and enabled routing on a ProCurve Switch 8212zl. Otherwise, the switch is at default settings. What is the effect of the following command?

```
8212zl(config)# spanning-tree
```

- A. RSTP is enabled globally. To enable MSTP, you must enter spanning-tree protocol-version mstp.
- B. MSTP is enabled globally. The switch will function as if RSTP were enabled until other MSTP parameters are defined.
- C. MSTP is enabled globally. The switch will exchange MSTP parameters with other

switches in the Spanning Tree domain.

D. STP is enabled globally. You must now configure a Spanning Tree version with the spanning-tree protocol-version command.

**Answer: B**

**Question No : 7 - (Topic 0)**

Users at a customer site report delays in accessing six servers connected to a ProCurve Switch 6108 in the corporation's data center. Analysis by network technicians reveals that a bottleneck is being created by the 1000Base-T connection between the 6108 and a ProCurve Switch 5412zl in the network's distribution layer. How can the throughput be increased between the switches?

- A. Configure connection-rate filtering on the 6108.
- B. Configure the servers for Fast EtherChannel.
- C. Configure a port trunk group between the 6108 and the 5412zl.
- D. Configure jumbo frame support on the 6108 and 5412zl.

**Answer: C**

**Question No : 8 - (Topic 0)**

While configuring two ProCurve 8212zl switches, you enable VRRP on the Backup router before enabling VRRP on the Owner. What is the effect of this procedure?

- A. Users will experience a brief interruption when VRRP is enabled on the Master.
- B. The Backup router will issue an error when it does not find a Master on the VRIDs.
- C. No default gateway will be available until the Master is enabled.
- D. The routers will not assume the correct roles unless the Backup is restarted after VRRP is enabled on the Master.

**Answer: A**

**Question No : 9 - (Topic 0)**

Port c3 on a ProCurve Switch 5412zl is a tagged member of VLAN 50. Ports c1, c2, and c4 are not members of VLAN 50. What is the effect of the following command?

ProCurve Switch 5412zl(config)# trunk c1-c4 trk1

- A. Port c3 will not be included in the trunk until the trunk is made a tagged member of VLAN 50.
- B. Port c3 will continue to forward traffic for VLAN 50, but other ports in the trunk will not.
- C. Port c3 will not forward traffic for VLAN 50 because the trunk has not been made a member of VLAN 50.
- D. The trunk will automatically become a member of VLAN 50 and of all other VLANs configured for ports c1 through c4.

**Answer: C**

**Question No : 10 - (Topic 0)**

You must configure Multiple Spanning Tree Protocol (MSTP) on two ProCurve 8212zl switches and four 5406zl switches. Which configuration is necessary to ensure that all of the switches join the same MST region?

- A. The switches must have identical Port Priorities for shared links in each MST instance.
- B. All switch-to-switch links in each MST instance must be tagged members of all user VLANs.
- C. Bridge Priorities on all switches must be configured so that each MST instance has a different Root Bridge.
- D. The switches must be configured with identical config-names, config-revisions, and VLAN-to-instance mappings.

**Answer: D**

**Question No : 11 - (Topic 0)**

An existing 1000Base-T link between two ProCurve 5406zl switches at a small university is configured as a member of the faculty VLAN. After an IT manager configures a four-port trunk between the switches, members of the college's faculty report that they can no longer access servers that were available before the trunk was installed. What is a likely solution for this problem?

- A. A new link must be configured for the VLAN because the maximum number of VLANs that the port trunk can support has been exceeded.
- B. The switch-to-switch link must be added to the port trunk because the switches cannot simultaneously support port trunks and single-port links between switches.

- C.** The port trunk must be configured for tagged membership in the faculty VLAN because port trunks do not support untagged VLANs.
- D.** The port trunk must be configured for membership in the faculty VLAN because the trunk ports are automatically assigned to the default VLAN as untagged members.

**Answer: D**

**Question No : 12 - (Topic 0)**

You have configured a four-port trunk connecting two ProCurve switches. How will the switches share the load over the trunk?

- A.** Each switch will use a load-sharing hash to assign conversations to links independent of the other switch's selection.
- B.** The switch that sends the first packet in each conversation will share the load according to the results of the other switch's load-sharing hash.
- C.** The two switches will exchange LACP update packets to negotiate a load-sharing algorithm.
- D.** The switch that receives the first packet in each conversation will balance the load by ensuring reply packets use a different link.

**Answer: A**

**Question No : 13 - (Topic 0)**

You must configure VRRP on two ProCurve 540tzl switches that are also members of a single-instance Spanning Tree. One of the switches is the Root Bridge in the Spanning Tree. How will the switch's role in the Spanning Tree affect its VRRP configuration?

- A.** The Spanning Tree root must also be Master of all VRIDs.
- B.** The Spanning Tree root must be Master for all VRIDs associated with VLANs for which it does not have direct links.
- C.** The Spanning Tree root must be Backup for all VRIDs associated with its directly connected VLANs.
- D.** The Spanning Tree root must be Backup for all VRIDs.

**Answer: A**

**Question No : 14 - (Topic 0)**