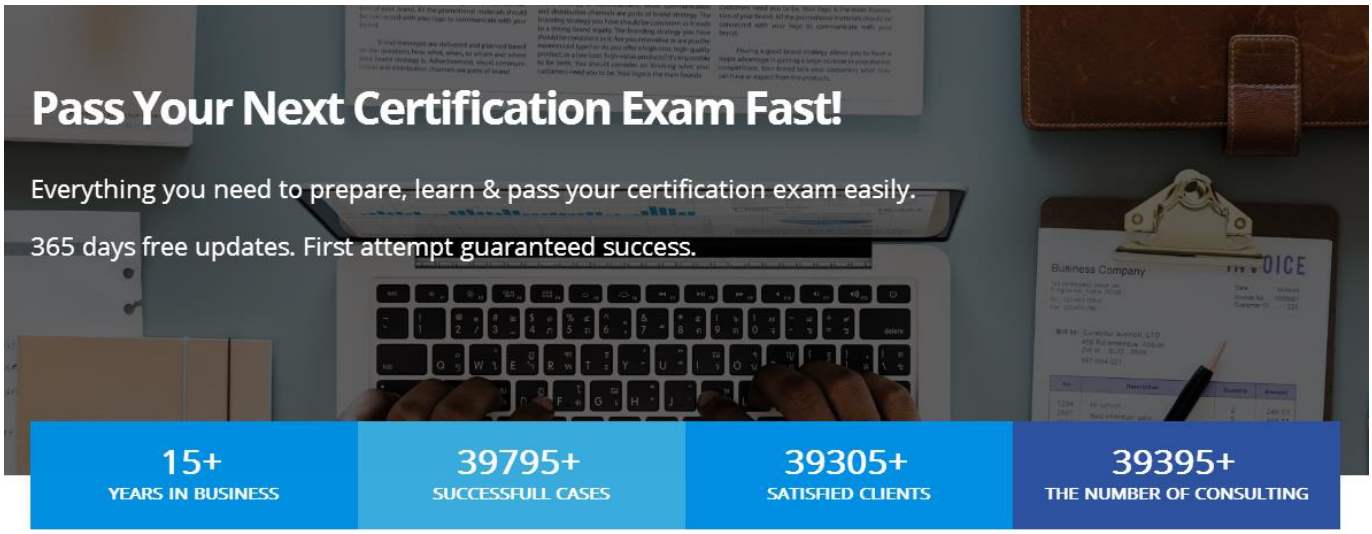
PracticeVCE



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Exam : **HP0-Y47**

Title : Deploying HP FlexNetwork Core Technologies

Vendor : HP

Version : DEMO

NO.1 Refer to the exhibit.

```
<Router1> display bgp routing

Total Number of Routes: 2

 BGP Local router ID is 192.0.2.1
 Status codes: * - valid, ^ - VPN best, > - best, d - damped,
               h - history,  i - internal, s - suppressed, S - Stale
               Origin : i - IGP, e - EGP, ? - incomplete

     Network            NextHop         MED        LocPrf     PrefVal Path/Ogn

* >  203.0.13.0         192.0.2.2                              0       2,4?
*                       198.5.100.1                            0       3,5,4?
```

Which route to 203.0.13.0/24 will the switch BGP process propose to the routing table?

A. A null route

B. A route through 192.0.2.2

C. A route through 198.5.100.1

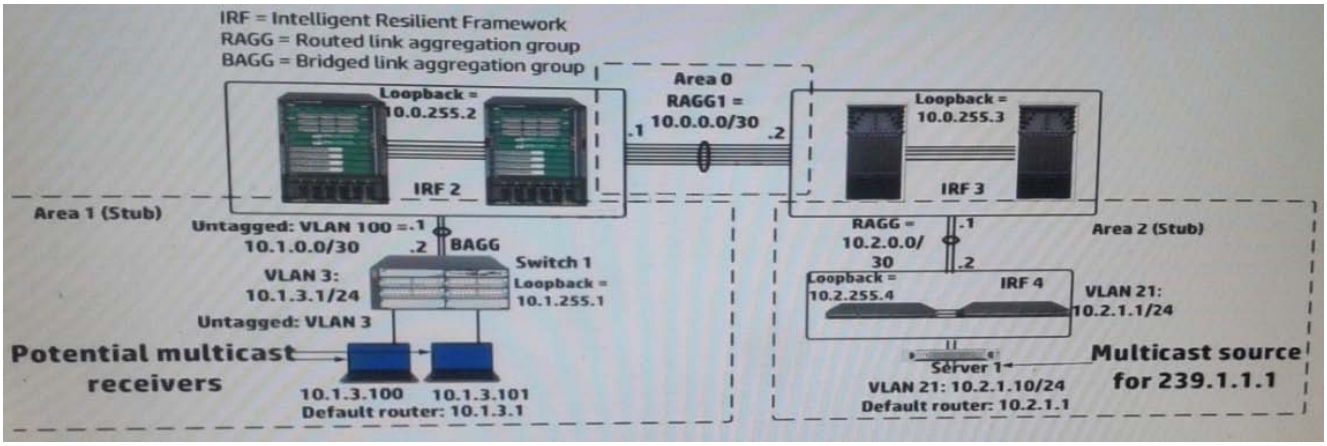
D. A route through 198.5.100.1 and 192.0.2.1

Answer: B

Explanation:

The NextHop for Network 203.0.13.0 is 192.0.2.2.

NO.2 Refer to the exhibit. .



A network administrator has begun configuring a Protocol Independent Multicast Sparse Mode (PIM-SM) solution on all of the network infrastructure devices shown in the exhibit. The administrator has selected the static method for configuring rendezvous (RPs) and wants to use 4 as RP.

Where must the administrator configure the static RP setting?

A. On IRF 3 and IRF 4 only

B. On switch 1, IRF 2, IRF 3, and IRF 4

C. On IRF 2, IRF 3, and IRF 4 only

D. On IRF 2 and IRF 3 only

Answer: C

Explanation:

In Static-RP configuration, you need to configure " ip pim rp-address x.x.x.x" command on every multicast enable router in your network including RP itself.

Reference:PIM-SM Static RP Configurations http://mrncciew.com/2013/01/19/pim-sm-static-rp-configurations/

NO.3 Refer to the exhibits. Exhibit 1

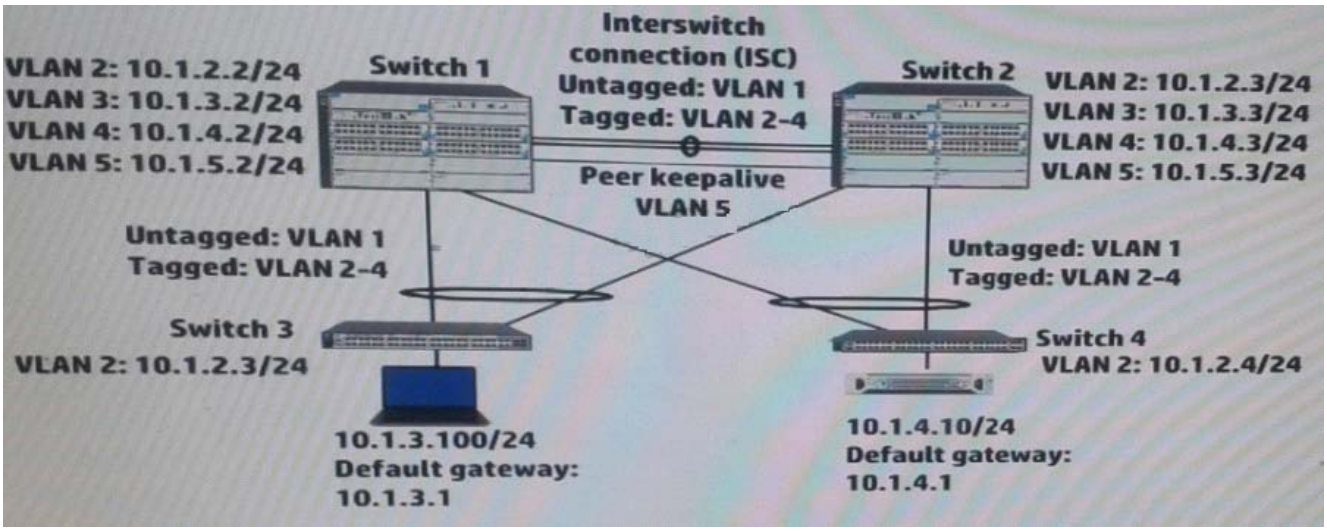


Exhibit 2 Exhibit 2 shows the Virtual Router Redundancy Protocol (VRRP) configuration and status for VLAN 3 on switch 1 during normal operation, when both Switch 1 and Switch 2 are up. Switch 1 then experiences a power failure. After a few minutes, power is restored, and the switch comes back up.

```
Switch1# show vrrp config
 VRRP Global Configuration Information
 VRRP Enabled : Yes
 Traps Enabled : Yes
 Virtual Routers Respond To Ping Requests : Yes
 VRRP Nonstop Enabled : No

 VRRP Virtual Router Configuration Information

  VLAN ID : 3
  Virtual Router ID : 1

  Administrative Status [Disabled] : Enabled
  Mode [Uninitialized] : Backup
  Priority [100] : 254
  Advertisement Interval [1] : 1
  Preempt Mode [True] : True
  Preempt Delay Time [0] : 120
  Respond To Virtual IP Ping Requests [Yes] : Yes
  Primary IP Address : Lowest

  IP Address       Subnet Mask
  ---------------  ---------------
  10.1.3.1         255.255.255.0

Switch1# show vrrp vlan 3
 VRRP Virtual Router Statistics Information

  Vlan ID                    : 3
  Virtual Router ID          : 1
  State                      : Master
  Up Time                    : 50 min
  Virtual MAC Address        : 00005e-000101
  Master's IP Address        : 10.1.3.2
  Associated IP Addr Count   : 1          Near Failovers              : 0
  Advertise Pkts Rx          : 0          Become Master               : 5
  Zero Priority Rx           : 0          Zero Priority Tx            : 3
  Bad Length Pkts            : 0          Bad Type Pkts               : 0
  Mismatched Interval Pkts   : 0          Mismatched Addr List Pkts   : 0
  Mismatched IP TTL Pkts     : 0          Mismatched Auth Type Pkts   : 0
```

What happens to VRRP operations in VLAN 3?

A. Switch 1 becomes Master two minutes after its VRRP processes up.

B. Switch 2 remains Master Switch 1 receives an error and stops participating in VRRP

C. Switch 2 remains Master, and Switch 1 becomes a Backup router.

D. Switch 1 becomes Master as soon as its VRRP processes come up.

Answer: C

Explanation:

Switch2 has priority 255, because Switch2(10.1.3.2) - MAster is up during 50 min, preempt is on in VRRP.SowhenSwitch1 comes online after 120min and trying to preeemtit will become theBackup Router

NO.4 Refer to the exhibit.

Exhibit 1

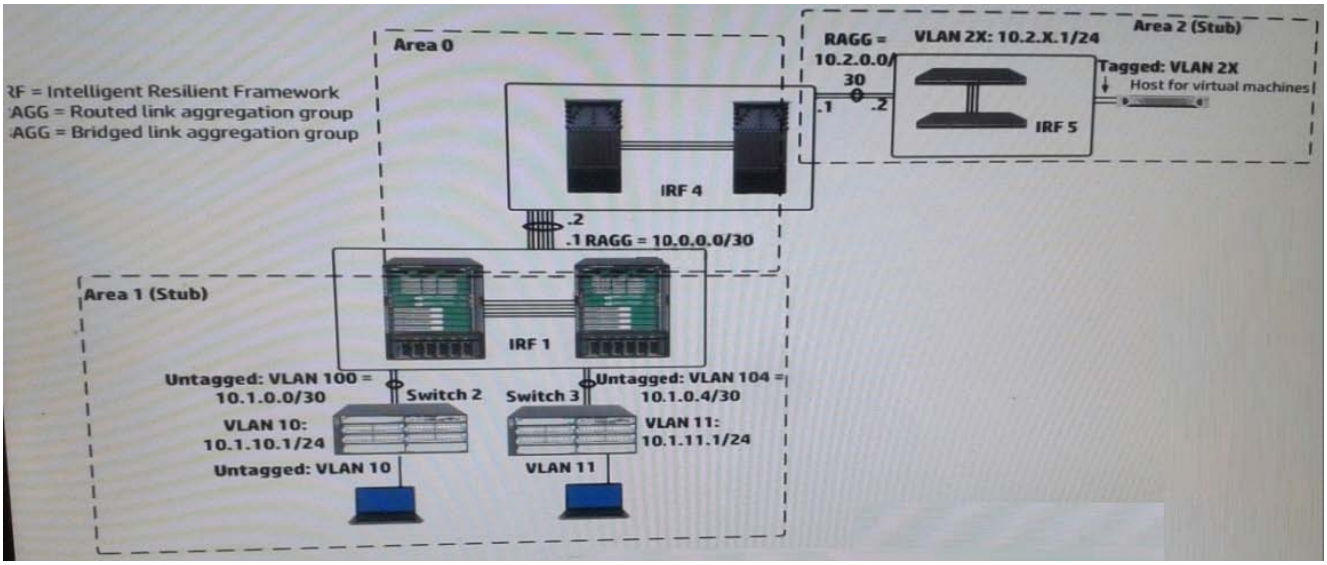
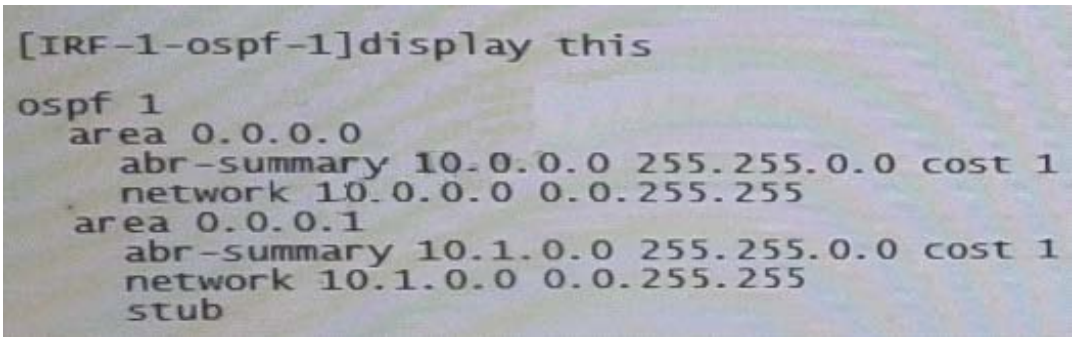


Exhibit 2



```
[IRF-1-ospf-1]display this

ospf 1
  area 0.0.0.0
    abr-summary 10.0.0.0 255.255.0.0 cost 1
    network 10.0.0.0 0.0.255.255
  area 0.0.0.1
    abr-summary 10.1.0.0 255.255.0.0 cost 1
    network 10.1.0.0 0.0.255.255
    stub
```

Exhibit 1 shows a simplified network topology. All infrastructure devices shown in the exhibit are successfully implementing (OSPF) on the interfaces. The exhibit also shows settings for OSPF areas. Exhibit 2 shows additional settings on IRF. The master within IRF 1 fails. Connectivity is disrupted for about one minute.

What can the network administrator do to prevent this issue occurring again?

A. Set up OSPF Bidirectional Forwarding Detection (BFD) on the routed link aggregation groups between the IRF virtual switches

B. Enable extended Link Access Control Detection Data Units (LACPDUs) on IRF 1 and IRF 4

C. On IRF 1, set up Bidirectional Forwarding Detection (BFD) Multi-Access Detection (MAD) with a dedicated link.

D. On each of the IRF virtual switches, enable opaque LSAs and set the OSPF graceful restart mode to IETF mode.

Answer: D
Explanation:
In a nutshell, the OSPF enhancements for graceful restart are as follows:
-The router attempting a graceful restart originates link-local Opaque-LSAs, herein called Grace-LSAs, announcing its intention to perform a graceful restart within a specified amount of time or "grace period".
-During the grace period, its neighbors continue to announce the restarting router in their LSAs as if it were fully adjacent (i.e., OSPF neighbor state Full), but only if the network topology remains static (i.e., the contents of the LSAs in the link-state database having LS types 1-5,7 remain unchanged and periodic refreshes are allowed).
Reference:https://tools.ietf.org/html/rfc3623

NO.5 In which components of HP FlexNetwork solutions can Intelligent Resilient Framework (IRF) play a role?
A. IRF can operate at any layer of both campus and data center solutions.
B. IRF can operate at the access layer of both campus and data center solutions. It cannot operate at the core.
C. IRF can operate within data center solutions but not in campus solutions.
D. IRF can operate at the core of both campus and data center solutions. It cannot operate at the access layer.
Answer: D
Explanation:
HP FlexNetwork Architecture provides a common and consistent environment for enterprise data centers, campus and branch networks. FlexCampus is based on a flat two-tieralso described as two-levelarchitecture.
Reference:https://en.wikipedia.org/wiki/HP_FlexNetwork_Architecture

NO.6 A company uses 802.1X authentication to force users to authenticate to connect to the network. The company uses HP IMC User Access manager (UAM) as the RADIUS server. The company wants to assign users to VLANs based on their identity. For example, contractor should be assigned in VLAN 20. Assume that VLANs are extended correctly across the network infrastructure.
Where does a network administrator configure the VLAN policy?
A. In the access device configuration UAM
B. In local-user accounts for contractors, which are configured on access layer switches
C. In an authorized VLAN list, which is applied to access layer switches edge ports
D. In an access rule on UAM, which will be selected in the contractor service policy
Answer: D
Explanation:
The HP IMC User Access Management (UAM) Module supports user identity authentication based on access policies associated with infrastructure resources.
Reference:Intelligent Management Center User Access Management Software
http://h17007.www1.hp.com/us/en/networking/products/networkmanagement/IMC_UAM_Softwar

e/index.aspx#.VYeq3vmqpBc