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QUESTION & ANSWER

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Exam : **JN0-661**

Title : Service Provider Routing and Switching

Version : DEMO

1.Click the Exhibit button.

```
[edit]
user@PE-1# run show l2 circuit connections
Layer-2 Circuit Connections:

Legend for connection status (St)
EI - - encapsulation invalid NP - - interface
h/w not present
MM - - mtu mismatch Dn - - down

EM - - encapsulation mismatch VC-Dn - -
Virtual circuit Down
CM - - control-word mismatch Up - -
operational
VM - - vlan id mismatch CF - - Call
admission control failure
OL - - no outgoing label IB - - TDM
incompatible bitrare
NC - - intf encaps not CCC/TCC TM - - TDM
misconfiguration
BK - - Backup Connection ST - - Standby

Connection
CB - - rcvd cell-bundle size bad SP - - Static
Pseudowire
LD - - local site signaled down RS - - remote
site standby
RD - - remote site signaled down XX - - unknown

Legend for interface status
Up - - operational
Dn - - down
Neighbor: 4.4.4.4
Interface Type St Time
last up #Up trans
ge-0/0/1.512 (vc 1) rmt OL

[edit]
user@PE-1# show protocols ldp
interface ge-0/0/2.0;

[edit]
user@PE-1# show protocols l2circuit
neighbor 4.4.4.4 {
interface ge-0/0/1.512 {
virtual-circuit-id 1
```

```
}
}

[edit]
user@PE-1# show interfaces ge-0/0/1
vlan-tagging;
encapsulation vlan-ccc;
unit 512 {
encapsulation vlan-ccc;
vlan-id 512;
}


[edit]
uxer@P-1 # show protocols ldp
interface all;

[edit]
user@P-2# show protocols ldp
interface all;


[edit]

user@PE-2# run show l2circuit connections
Layer-2 Circuit Connections:

Legend For connection status (St)
EI - - encapsulation invalid NP - - interface
h/w not present
MM - - mtu mismatch Dn - - down

EM - - encapsulation mismatch VC-Dn - -
Virtual circuit Down
CM - - control-word mismatch Up - -
operational
VM - - vlan id mismatch CF - - Call
admission control failure
OL - - no outgoing label IB - - TDM
incompatible bitrate
NC - - intf encaps not CCC/TCC TM - - TDM
misconfiguration
BK - - Backup Connection ST - - Standby
Connection
CB - - rcvd cell-bundle size bad SP - - Static
```

```
LD - - Local site signaled down RS - - remote
site standby
RD - - remote site signaled down XX - - unknown

Legend for interface status
UP - - operational
DN - - down
Neighbor: 1.1.1.1
Interface Type St Time
last up #Up trans
ge-0/0/1.512 (vc 1) rmt OL

[edit]
user@PE-2# show protocols ldp
interface ge-0/0/2.0;

[edit]
user@PE-2# show protocols l2circuit
neighbor 1.1.1.1 {
interface ge-0/0/1.512 {
virtual-circuit-id 1;
}
}

[edit]
user@PE-2# show interfaces ge-0/0/1
vlan-tagging;
encapsulation vlan-ccc;
unit 512 {
encapsulation vlan-ccc;
vlan-id 512;
}
```

Referring to the exhibit you have configured an L2 circuit that connects Site-1 and Site-2, but the L2 circuit is not functioning The topology in this scenario is shown below.
Site-1 > PE-1 > P-1 > P-2 > PE-2 Site-2
Which action will allow communication between Site-1 and Site-2?
A. Change the virtual circuit identifier to 2 for PE-2.
B. Add the family inet statement under the ge-0/0/1.512 interface for PE-1 and PE-2.
C. Add the lo0 interface under the {edit protocols ldp} hierarchy for all routers.
D. Add the lo0 interface under the {edit protocols 12circuit} hierarchy for PE-1 and PE-2
Answer: C

2.Which command will match communities 101:111,111:1, and 999:1111?
A.set policy-options commmity COMMUNITY members "^...:1?"
B.set policy-options community COMMUNITY members "^1.*:1+"
C.set policy-options community COMMUNrTY members ["^1.1:1?" 999:1111]
D.set policy-options community COMMUNITY members "^...:1+"
Answer: D

3.Click the Exhibit button

```
[edit]
user@PE-1# show protocols
rsvp {
interface all;
}
mpls {
label-switched-path p1 {
from 1.1.1.1;
to 4.4.4.4;
no cspf;
}
interface all;
}
bgp {
group Int {
type Internal;
local-address 1.1.1.1;
family inet {
unicast;
}
family inet-vpn {
unicast;
}
neighbor 2.2.2.2;
neighbor 3.3.3.3;
neighbor 4.4.4.4;
}
}
ospf {
area 0.0.0.0 {
interface ge-0/0/2.0;
interf lo0.0;
}
}

[edit]
user@p-1# show protocols
mpls {
interface all;
}
ospf {
area 0.0.0.0 {
```

```
interface ge-0/0/1.0;
interface ge-0/0/2.0;
interface ge-1o0.0;
}
}

[edit]
user@p-2# show protocols
mpls {
interface all;
}
ospf {
area 0.0.0.0 {
interface ge-0/0/1.0;
interface ge-0/0/2.0;
interface ge-lo0.0;
}
}

[edit]
user@p-2# show protocols
```

```
user@p-2# show protocols
rsvr {
interface all;
}
mpls {
label-switched-path p2 {
from 4.4.4.4;
to 1.1.1.1;
no-ospf
}
interface all;
}
bgp {
group INT {
type internal;
local-address 4.4.4.4,
family inet {
unicast;

neighbor 2.2.2.2;
neighbor 3.3.3.3;
neighbor 1.1.1.1;

area 0.0.0.0 {
interface ge-0/0/2.0;
interface 1o0;
}
}
```

Referring to the exhibit, you have configured an L3VPN that connects Site-1 and Site-2 together, but the BGP routes are being hidden on the PE routers. The topology in this scenario is shown below.

Site-1 > PE-1 > P-1 > P-2 > PE-2 > Site-2
Which two acttions would allow communication Site-1 and Site-2? (Choose two.)
A.Disable CSPF on under MPLS on P-1 and P-2.
B.Configure DGP on P-1 and P-2.
C. Enable RSVP for all interfaces on P-1 and P-2.
D.Enable LDP for all interfaces on all routers.
Answer: C, D

4.A layer 2 circuit (RFC 4447) is established between two PE routers to provide connectivity between two customer sites. Which two statements related to this deployment are true?
A.Kompella encapsulation is used in the data plane communications.
B.LDP must be used for the control plane communications
C.BGP must be used for the control plane communications.
D.Martini encapsulation is used in the data plane communications.
Answer: B, D

5.Click the exhibit button

```
[edit protocols pim]
user@R1# show
rp {
bootstrap {
family inet {
priority 250;
}
}
local {
address 10.220.1.1;
priority 1;
group-ranges {
224.1.1.11/32;
224.0.0.0/4;
}
}
}
interface all;
interface fxp0.0 {
disable;
```

```
}

[edit protocols pim]
user@R4# show
rp {
bootstrap {
family inet {
priority 249;
}
}
local {
address 10.220.1.4;
priority 5;
group-ranges {
224.1.1.12/32;
224.0.0.0/4;
}
}
}
interface all;
interface fxp0.0 {

disable;
}
```

Referring to the exhibit, which router will be the RP?

A. R4 for all groups

B.R1 for group 224.1.1.11 and R4 for all other groups

C.R1 for all groups

D.R4 for group 224.1.1.12 and R1 for all other groups

Answer: A