



# 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 l2circuit} 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 community 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-1o0.0;  
}  
}
```

```
[edit]  
user@p-2# show protocols  
  
user@p-2# show protocols  
rsr {  
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 actions 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**