

2026 Perfect JN0-683: Data Center, Professional (JNCIP-DC) Valid Test Review



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Juniper JN0-683 Exam Syllabus Topics:

Topic	Details
Topic 1	<ul style="list-style-type: none">Data Center Interconnect: For Data Center Engineers, this part focuses on interconnecting data centers, covering Layer 2 and Layer 3 stretching, stitching fabrics together, and using EVPN-signaled VXLAN for seamless communication between data centers.
Topic 2	<ul style="list-style-type: none">Layer 3 Fabrics: This section measures the knowledge of professionals managing IP-based networks in data centers. It covers IP fabric architecture and routing, ensuring candidates understand how the network is structured for scalability and how traffic is routed efficiently.
Topic 3	<ul style="list-style-type: none">Data Center Deployment and Management: This section assesses the expertise of data center networking professionals like architects and engineers, focusing on key deployment concepts. Topics include Zero-touch provisioning (ZTP), which automates device setup in data centers without manual input.

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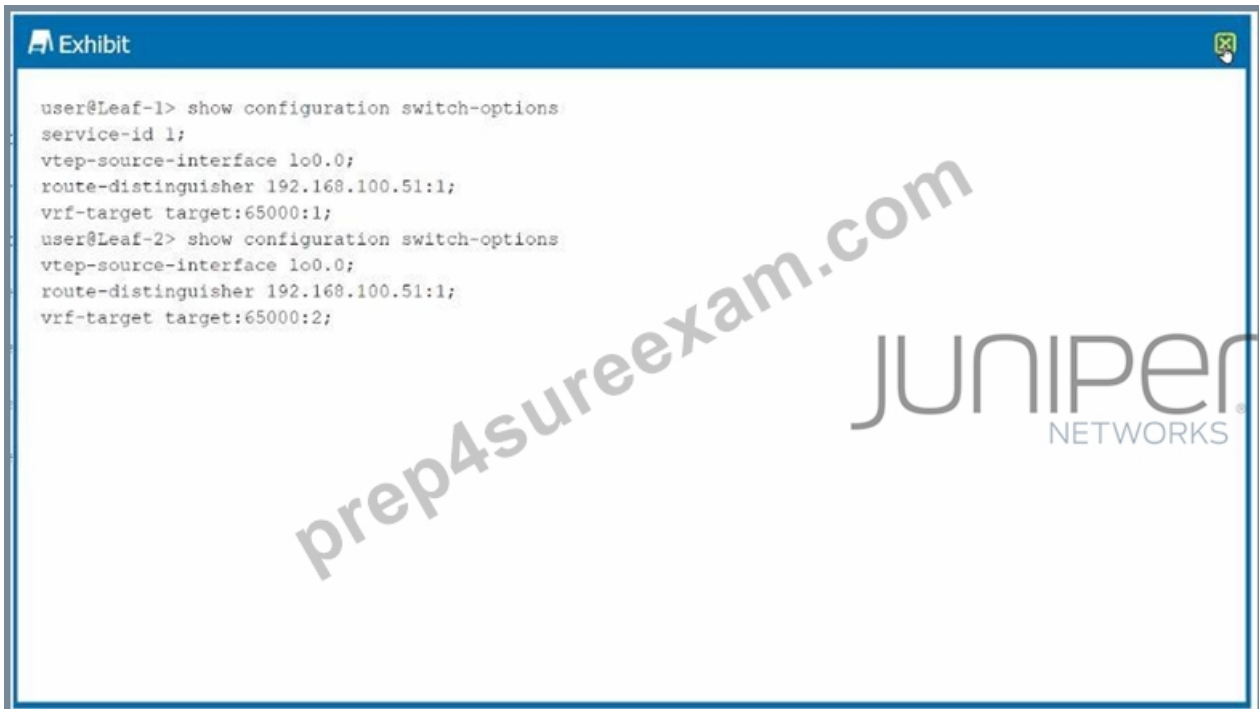
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Juniper Data Center, Professional (JNCIP-DC) Sample Questions (Q10-Q15):

NEW QUESTION # 10

Exhibit.



```
user@Leaf-1> show configuration switch-options
service-id 1;
vtep-source-interface lo0.0;
route-distinguisher 192.168.100.51:1;
vrf-target target:65000:1;
user@Leaf-2> show configuration switch-options
vtep-source-interface lo0.0;
route-distinguisher 192.168.100.51:1;
vrf-target target:65000:2;
```

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Connections between hosts connected to Leaf-1 and Leaf-2 are not working correctly.

- A. Configure the set switch-options service-id 1 parameter on Leaf-2.
- **B. Configure the set switch-options vrf-target target:65000:1 parameter on Leaf-2.**
- C. Configure the set switch-options vtep-source-interface irb.0 parameter on Leaf-1.
- **D. Configure the set switch-options route-distinguisher 192.168.100.50:1 parameter on Leaf-1.**
- E. Referring to the exhibit, which two configuration changes are required to solve the problem? (Choose two.)

Answer: B,D

NEW QUESTION # 11

Click the Exhibit button. You are troubleshooting a DCI connection to another data center. The BGP session to the provider is established, but the session to Border-Leaf-2 is not established.

Referring to the exhibit, which configuration change should be made to solve this problem?

```

user@Border-Leaf-1> show configuration protocols bgp
group UNDERLAY {
    type external;
    export LOOPBACKS;
    local-as 65205;
    multipath {
        multiple-as;
    }
    neighbor 172.16.1.5 {
        peer-as 65102;
    }
}
group OVERLAY {
    type external;
    local-address 192.168.100.4;
    family evpn {
        signaling;
    }
    local-as 65101;
    neighbor 192.168.100.1 {
        peer-as 65102;
    }
    neighbor 192.168.100.22 {
        description Border-Leaf-2;
        peer-as 65222;
    }
    accept-remote-nexthop;
}
group PROVIDER {
    type external;
    peer-as 65001;
    local-as 65002;
    neighbor 172.16.1.224;
}

```

- A. delete protocols bgp group OVERLAY accept-remote-nexthop
- B. set protocols bgp group overlay export loopbacks
- C. set protocols bgp group PROVIDER export LOOPBACKS
- D. delete protocols bgp group UNDERLAY advertise-external

Answer: A

Explanation:

The "accept-remote-nexthop" statement allows the router to accept prefixes with a next hop that is not directly connected, which can cause BGP neighbor sessions to fail if not needed or properly supported.

Removing "accept-remote-nexthop" from the OVERLAY group is a common fix to resolve BGP session establishment issues with EVPN neighbors.

NEW QUESTION # 12

Referring to the exhibit, which statement is correct?

```
user@switch> ping overlay tunnel-type vxlan vni 100 tunnel-src 192.168.2.10 tunnel-dst
192.168.2.20 mac 00:00:5E:00:53:cc count 1
ping-overlay_protocol vxlan
vni 100
  tunnel src ip 192.168.2.10
  tunnel dst ip 192.168.2.20
  mac address 00:00:5E:00:53:cc
  count 5
  ttl 255

WARNING: following hash-parameters are missing -
  hash computation may not succeed

  end-host smac
  end-host dmac
  end-host src ip
  end-host dst ip
  end-host protocol
  end-host l4-src-port
  end-host l4-dst-port

Request for seq 1, to 192.168.2.20, at 09-24 23:53:54 PDT.089 msec
Response for seq 1, from 192.168.2.20, at 09-24 23:53:54 PDT.089 msec, rtt 6 msec
Overlay-segment present at RVTEP 192.168.2.20
End-System Not Present
```

- A. The MAC address is unknown and not in the forwarding table of the remote VTEP.
- B. VNI 100 is not configured on the remote VTEP.
- C. The remote VTEP is not responding.
- D. The MAC address is known but not reachable by the remote VTEP.

Answer: A

Explanation:

The output shows a VXLAN ping test using ping overlay to verify VXLAN reachability between VTEPs (Virtual Tunnel Endpoints). The test successfully reaches the remote VTEP 192.168.2.20, meaning the VXLAN tunnel is functional. However, the response indicates "End- System Not Present," which means that while the VXLAN segment is active on the remote VTEP, the specified MAC address (00:00:5E:00:53:CC) is not known in the forwarding table of the remote VTEP.

NEW QUESTION # 13

Host A is connected to vlan 100 on leaf. Host B is connected to vlan 200 on leaf1. Host A and Host B are unable to communicate. You have reviewed the routing and your hosts have the correct default route (.1) Referring to the exhibit, which two commands will solve the problem? (Choose two.)

```
Exhibit
user@leaf1> show configuration
...
interfaces {
  ge-0/0/0 {
    description "facing_spine1:ge-0/0/1";
    speed 10g;
    mtu 9192;
    unit 0 {
      family inet {
        mtu 9170;
        address 172.16.0.9/31;
      }
    }
  }
  ge-0/0/1 {
    description "facing_spine2:ge-0/0/1";
    speed 10g;
    mtu 9192;
    unit 0 {
      family inet {
        mtu 9170;
        address 172.16.0.11/31;
      }
    }
  }
  irb {
    unit 200 {
      family inet {
        address 192.168.200.1/24;
      }
    }
  }
}
vllans {
  vn100 {
    vlan-id 100;
    description "BLUE";
  }
  vn200 {
    description RED;
    vlan-id 200;
    l3-interface irb.200;
  }
}
}
```

- A. set interfaces irb unit 100 family inet address 192-168.100.1
- B. set vlans vn100 l3-interface irb.100
- C. delete vlans vn200 l3-interface irb.200
- D. set routing-options static route 0.0.0.0/0 next-hop 192.168.200.10

Answer: B,D

Explanation:

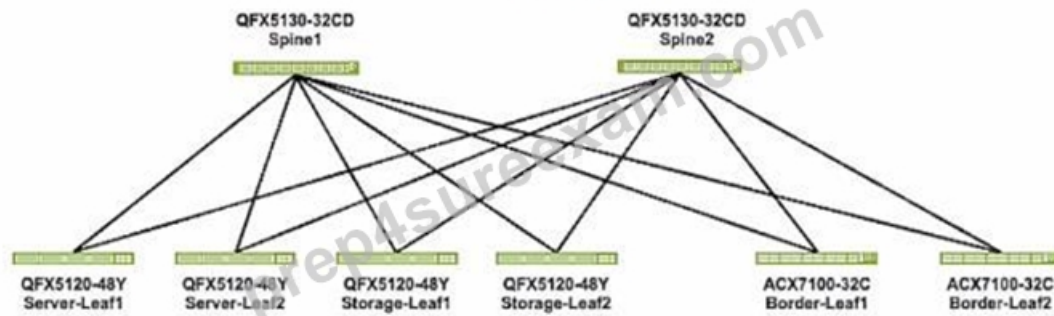
VLAN 100 (BLUE) does not have an IRB interface configured, meaning there is no Layer 3 gateway for hosts in VLAN 100.

Adding an IRB.100 interface with an IP address will allow routing between VLAN 100 and VLAN 200.

Even after configuring the IRB interface for VLAN 100, you need to bind it to VLAN 100 so that the switch correctly associates VLAN 100 traffic with the IRB. This ensures that the VLAN can route traffic through the correct Layer 3 gateway.

NEW QUESTION # 14

Exhibit.



You are deploying a VXLAN overlay with EVPN as the control plane in an ERB architecture. Referring to the exhibit, which three statements are correct about where the VXLAN gateways will be placed? (Choose three.)

- A. All leaf devices will have L3 VXLAN gateways.
- B. All leaf devices will have L2 VXLAN gateways.
- C. Only the border and leaf devices will have L3 VXLAN gateways.
- D. Spine devices will have no VXLAN gateways.
- E. Only the spine devices will have L2 VXLAN gateways.

Answer: A,B,D

Explanation:

* Understanding ERB Architecture:

* ERB (Edge Routed Bridging) architecture is a network design where the routing occurs at the edge (leaf devices) rather than in the spine devices. In a VXLAN overlay network with EVPN as the control plane, leaf devices typically act as both Layer 2 (L2) and Layer 3 (L3) VXLAN gateways.

* Placement of VXLAN Gateways:

* Option B: All leaf devices will have L2 VXLAN gateways to handle the bridging of VLAN traffic into VXLAN tunnels.

* Option C: All leaf devices will also have L3 VXLAN gateways to route traffic between different VXLAN segments (VNIs) and external networks.

* Option E: Spine devices in an ERB architecture generally do not function as VXLAN gateways.

They primarily focus on forwarding traffic between leaf nodes and do not handle VXLAN encapsulation/decapsulation.

Conclusion:

* Option B: Correct- All leaf devices will have L2 VXLAN gateways.

* Option C: Correct- All leaf devices will have L3 VXLAN gateways.

* Option E: Correct- Spine devices will not act as VXLAN gateways

NEW QUESTION # 15

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