

Practice Exam Questions

JUNIPER
NETWORKS



JN0-682

Data Center, Professional (JNCIP-DC)



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Exam JN0-682

Data Center Professional (JNCIP-DC)

Version: 6.0

[Total Questions: 130]

Question No : 1

When considering VRF routing-instances for network segmentation, which two statements are

true? (Choose two.)

- A. A logical interface can participate in multiple VRFs.
- B. Multiple VRFs on a single device consolidate routing information to a single table.
- C. VRFs have independent routing tables.
- D. VRFs support overlapping subnets.

Answer: C,D

Question No : 2

What is the endpoint of a VXLAN tunnel?

- A. DLCI
- B. VTEP
- C. LSR
- D. VCF

Answer: B

Question No : 3

You are an engineer for a hosting company. You have a new customer that wants the ability to

connect any VLAN on any port. They want to have all VLANs map to a single bridge domain and EVPN instance (EVI). They control all their own routing and just need the connectivity.

Which two parameters should you configure to achieve these goals? (Choose two.)

- A. instance-type mac-vrf
- B. service-type vlan-aware
- C. service-type vlan-bundle
- D. instance-type virtual-switch

Answer: C,D

Question No : 4

Which two statements define the use of route targets and route distinguishers in an EVPN? (Choose two.)

- A.** Route distinguishers ensure that routes from different client remain unique within the data center domain
- B.** Route targets ensure that routes from different clients remain unique within the data center domain
- C.** Route distinguishers identify the VRF into which the route should be placed
- D.** Route targets identify the VRF into which the route should be placed

Answer: A,D

Question No : 5

You are asked to manage the oversubscription ratio of your spine and leaf IP fabric. You determine that you are at a 3:1 ratio of downstream to upstream traffic and must achieve a 1.1ratio. In this scenario, which two actions would you take to achieve this goal? (Choose two.)

- A.** Reduce the number of leaf nodes on your design.
- B.** Increase the number of spine nodes in your design.
- C.** Increase the number of server facing ports that each leaf node uses to carry traffic.
- D.** Reduce the number of server facing that each leaf node uses to carry traffic.

Answer: B,D

Question No : 6

Which two combinations are supported when configuring a Virtual Chassis Fabric? (Choose two.)

- A.** Four spine nodes and 20 leaf nodes

- B. Four spine nodes with 16 leaf nodes
- C. two spine nodes and 16 leaf nodes
- D. Two spine and 28 leaf nodes

Answer: B,C

Question No : 7

You are building an IP fabric underlay for your data center. You are asked to ensure that the two spine devices are in the same AS (65000) while the six leaf devices are in a different AS (65512). In this scenario, which two statements are correct by default? (Choose two.)

- A. All BGP routes advertised by a leaf device will be accepted on the spine devices.
- B. A leaf device will accept all BGP routes received from the spine that were originated from another leaf device.
- C. All BGP routes advertised by a leaf device will be rejected on the spine devices.
- D. A leaf device will reject all BGP routes received from the spine that were originated from another leaf device.

Answer: A,B

Question No : 8

You are designing a network for a small data center. In this scenario, which underlay protocol

allows for the simplest implementation?

- A. EIGRP
- B. OSPF
- C. IGMP
- D. MPLS

Answer: B

Question No : 9

Which two statements describe a VXLAN network identifier (VNI)? (Choose Two)

- A. A VNI identifies the inner MAC frame.
- B. A VNI identifies a VXLAN segment ID.
- C. A VNI allows only 512 VLANs.
- D. A VNI validates the remote VTEP.

Answer: B,D

Question No : 10

You want to enable an EBGp-based IP fabric to allow ECMP routes to be populated into the RIB. In this scenario, which action will accomplish this task?

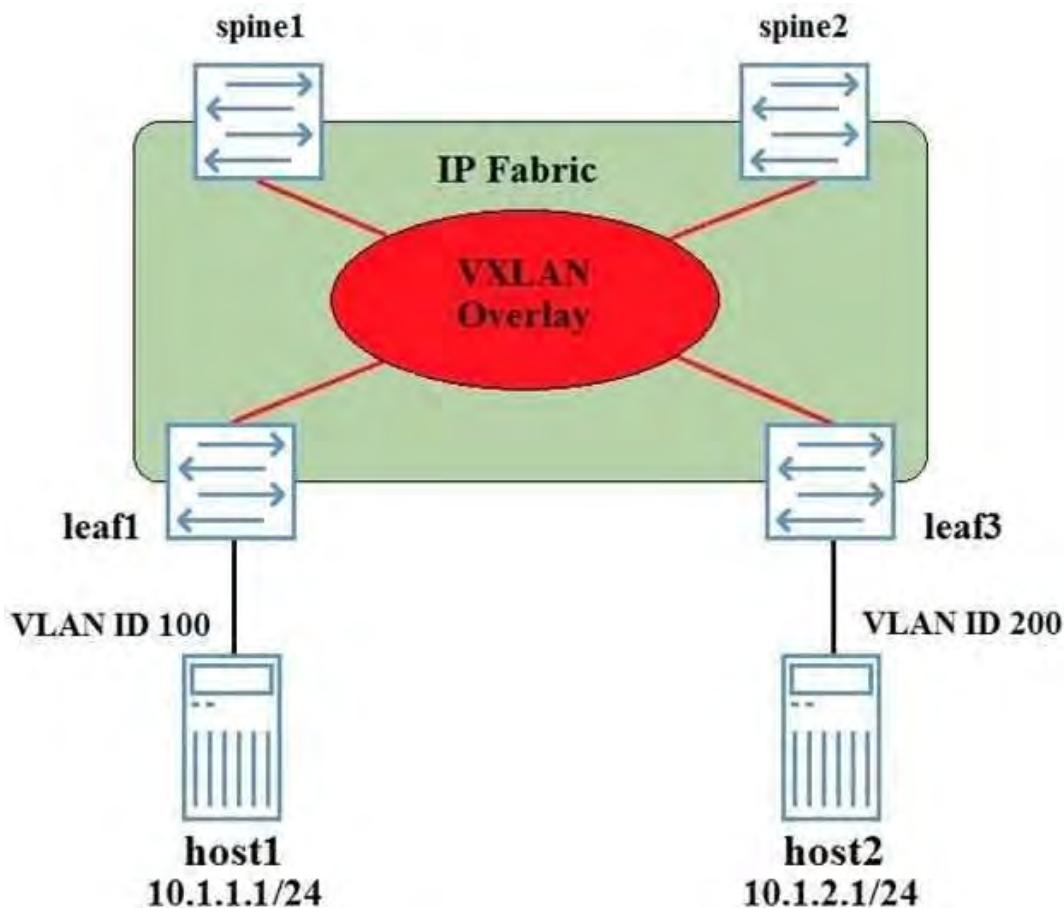
- A. Enable the forwarding-options ecmp-do-local-lookup parameter.
- B. Enable the multipath multiple-as BGP parameter.
- C. Enable the routing-options multipath global parameter.
- D. Enable the chassis ecmp-alb parameter.

Answer: B

Question No : 11

You have deployed a VXLAN as shown in the exhibit Leaf1, leaf3, spine1, and spine2 have been

configured as VTEPs. Host1 cannot communicate with host2.



Referring to the exhibit, how would you solve this problem?

- A. The VLAN ID on the connected to host2 must be changed to VLAN 100
- B. A DCI connected must be created between the VLANs
- C. Host1 and host2 must be placed in the same VRF
- D. A layer 3 VXLAN gateway must be configured on at least on at least one of the devices

Answer: D

Question No : 12

You are considering deploying a MAC-VRF type routing instance with a VLAN-bundle service

type. In this scenario, which two statements are correct? (Choose two.)

- A. It can be implemented in a bridge overlay architecture.
- B. VLAN normalization is supported.

- C. Multiple VLAN IDs per EVI are supported.
- D. It can be implemented in an ERB architecture.

Answer: A,C

Question No : 13

You are configuring VXLAN. and you must ensure that all switches for the multicast groups advertise their existence and learn about other VTEPs In this scenario. which protocol will accomplish this task?

- A. OSPF
- B. EVPN
- C. PIM
- D. BOP

Answer: C

Question No : 14

You are an architect for an enterprise organization that currently operates three data centers with plans to expand to five data centers in the next year. You already notice large amounts of BUM flooding and must control this issue before implementing the next two data centers.

Which feature would address this issue?

- A. type-5 routes
- B. type-6 routes
- C. mesh groups
- D. VXLAN BUM traffic filter

Answer: B

Question No : 15

You have deployed a multitenant EVPN-VXLAN fabric. You must have the routes in the

BLUE VRF show up in the RED VRF. In this scenario, how would you achieve this goal?

```

Exhibit

routing-instances {
  BLUE {
    routing-options {
      multipath;
      auto-export;
    }
    protocols {
      evpn {
        ip-prefix-routes {
          advertise direct-neighbor;
          encapsulation vxlan;
          vni 110101;
        }
      }
    }
    instance-type vrf;
    interface et-0/0/25.12;
    interface et-0/0/26.12;
    interface lo0.10;
    route-distinguisher 10.11.0.5:12;
  }
}

```

```

Exhibit

instance-type vrf;
interface et-0/0/25.12;
interface et-0/0/26.12;
interface lo0.10;
route-distinguisher 10.11.0.5:12;
vrf-target target:110101;
vrf-table-label;
}
RED {
  routing-options {
    multipath;
    auto-export;
  }
  protocols {
    evpn {
      ip-prefix-routes {
        advertise direct-neighbor;
        encapsulation vxlan;
        vni 100101;
      }
    }
  }
}

```



- A. Configure a VRF export policy on the BLUE VRF that matches the RED VRF route target.
- B. Configure the RED route target in the BLUE VRF.
- C. Configure the BLUE route target in the RED VRF.
- D. Configure a VRF import policy on the RED VRF that matches the BLUE VRF route target.

Answer: D

Question No : 16

A client with five data centers spread around the country uses MPLS L2VPNs to provides point- to- point data center interconnect between each data center in a full-mesh network. The client is considering an MPLS EVEN implementation.

In this scenario, what are three advantages of using MPLS EVEN interconnects? (Choose two.)

- A. They provide for static configuration that does not require a Dynamic Routing Protocol
- B. They provide for a local proxy ARP/ND resolution.
- C. They provide for point to multipoint connectivity
- D. They provide for a MAC learning in the control plane.
- E. They provide for lower transmission latency.

Answer: B,C,D