

CCIE Enterprise Infrastructure v1.1:

Module 1# :Design V4

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Question 1

Welcome to the Design Module for XANDER PHARMACEUTICALS.

Please read all the available resources before starting the scenario by clicking 'Next item'

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Question 2

To achieve the L2 goals, match the features on switches? Select appropriate

Required Features	SW211	SW101	SW201	SW110
BPDU Guard on non-uplink ports				
PortFast on access ports				
Layer 2 maximum transmission unit (MTU) jumbo frames				
CDP				
VLAN pruning				
Loop guard				

Answer

Required Features	SW211	SW101	SW201	SW110
BPDU Guard on non-uplink ports	✓			✓
PortFast on access ports	✓			✓
Layer 2 maximum transmission unit (MTU) jumbo frames	✓			
CDP				✓
VLAN pruning	✓			✓
Loop guard	✓			✓

Note: VLAN pruning & Loop guard Options may not be there in exam

Question 3

Which two arrangements of spanning trees satisfy Charlie Brown's specifications? Select two.

- Reduce the forward time of the spanning tree.
- Reduce the max age of the spanning tree.
- Reduce the hello timer of the spanning tree.
- Make SW201 the root for all the VLANs and make SW202 the secondary.
- Make SW201 the root for the even VLANs and make SW202 the root for the odd VLANs.
- Implement MSTP.

Answer

- Reduce the hello timer of the spanning tree.
- Make SW201 the root for the even VLANs and make SW202 the root for the odd VLANs.

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Question 4

Which five design suggestions for SW201 and SW202 satisfy the essential performance specifications?

- Set the port channel to active mode for new connections.
- Enable the PAgP standard for both switches.
- Disable the IEEE 802.3ad standard for both switches.
- Enable the LACP feature.
- Use load balancing of type vlan-src-dst-mixed-ip-port.
- Use load balancing of type vlan-src-ip.
- Use trunk and VLAN pruning on the port channel interfaces of both switches.
- Use trunk and VLAN pruning on the members of SW201.
- Deploy a Layer 3 port channel.
- Apply EtherChannel guard to both switches

Answer

- Set the port channel to active mode for new connections.
- Enable the LACP feature.
- Use load balancing of type vlan-src-dst-mixed-ip-port.
- Use trunk and VLAN pruning on the port channel interfaces of both switches.
- Apply EtherChannel guard to both switches

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Question 5

Which three suggestions will increase Branch #3's security and expansion? Select three.

- Implement a stub configuration on all the routing devices at Branch #3 and apply summary routes on SW601 and SW602, and apply a route map for the two /32 addresses.
- Implement a stub configuration on all the routing devices at Branch #3 and apply summary routes on R61 and R62, and apply a leak map for the two /32 addresses.
- Implement a stub configuration on all the routing devices at Branch #3 that do not have summary routes and use a leak map for the two /32 addresses.
- Implement SHA-256 authentication between all neighbors by using the same key on R24, R61, R62, SW601, and SW602.
- Implement SHA-256 authentication between all neighbors by using different keys on R24, R61, R62, SW601, and SW602.
- Implement MD5 authentication between all neighbors by using the same key on R24, R61, and R62. Use different keys on SW601 and SW602.
- Enable the passive interface default feature and disable passive interfaces toward R24 and also on downstream switches.
- Enable the passive interface default feature and disable passive interfaces towards the downstream switches.

Answer

- Implement a stub configuration on all the routing devices at Branch #3 and apply summary routes on R61 and R62, and apply a leak map for the two /32 addresses.
- Implement SHA-256 authentication between all neighbors by using the same key on R24, R61, R62, SW601, and SW602.
- Enable the passive interface default feature and disable passive interfaces toward R24 and also on downstream switches.

Question 6

Which two OSPF deployment proposals satisfy Charlie Brown's specifications? Select two.

- Set the priority of each spoke tunnel to 0 to mitigate DR/BDR election.
- Use OSPF point-to-multipoint on all the spokes and point-to-multipoint on the hub.
- Use OSPF broadcast on the hub and broadcast on all the spokes.
- Place all the routers in the same area.
- Place the hub in area 0, and place each spoke in a separate area.

Answer

- Use OSPF point-to-multipoint on all the spokes and point-to-multipoint on the hub.
- Place all the routers in the same area.

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Question 7

Which of the following two suggestions will result in Branch #3 being moved to OSPF? Select two.

- Redistribute BGP into OSPF with a metric of Type 1 and subnets features enabled on R61 and R62.
- Redistribute BGP into OSPF with a metric of Type 2 on R61 and R62.
- Redistribute BGP into OSPF with the subnets feature enabled and without a metric type specified on R61 and R62.
- Use the default metric as the metric value.
- Use the metric feature to specify a metric value.

Answer

- Redistribute BGP into OSPF with a metric of Type 1 and subnets features enabled on R61 and R62.
- Use the metric feature to specify a metric value.

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Question 8

Which suggestions satisfies Peter Jones's test environment specifications.

Use the Local-AS-Community on R61 and R62

Use the No-Advertise Community on R61 and R62

Use the No-Export Community on R61 and use the No-Advertise Community on R62

Use the No-Export Community on R61 and R62

Use the No-Advertise Community on R61 and No-Export Community on R62

Answer:

Use the No-Export Community on R61 and R62

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Question 9

Which two suggestions satisfies Peter Jones's test environment specifications? Select two.

- Use the Local-AS Community on R61 and R62.
- Use the No-Advertise Community on R61 and R62.
- Use the No-Export Community on R61 and use the No-Advertise Community on R62.
- Use the No-Export Community on R61 and R62.
- Use the No-Advertise Community on R61 and the No-Export Community on R62.
- Use the No-Advertise Community on R62 and the No-Export Community on R61.
- Use local-pref attribute on R61 inbound with a higher value than R62.
- Use local-pref attribute on R62 inbound with a higher value than R61.

Answer

- Use the No-Export Community on R61 and R62.
- Use local-pref attribute on R61 inbound with a higher value than R62.

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