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# 300-610 Q&As

## Designing Cisco Data Center Infrastructure (DCID)

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**QUESTION 1**

DRAG DROP

Drag the appropriate from the left onto the current UDLD modes of operation on the right.

Select and Place:

| | Normal Mode |
|---|---|
| Uses STP if UDLD information times out. | |
| Detects when a port is stuck. | |
| Disables a port that has a high error rate. | Aggressive Mode |
| Allows a port that has a high error rate. | |

Correct Answer:

**Normal Mode**
- Uses STP if UDLD information times out.
- Allows a port that has a high error rate.

**Aggressive Mode**
- Detects when a port is stuck.
- Disables a port that has a high error rate.

Reference: https://www.cisco.com/c/en/us/support/docs/lan-switching/spanning-tree-protocol/10591-77.html

**QUESTION 2**

A database administrator experiences delay when performing storage replication between primary and secondary data

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centers. The data centers are located 20 kilometers apart and are connected using a 500 Mbps link. The deployment was implemented using an FCIP tunnel and a pair of Cisco MDS 9250 Series Switches. The network engineer decided to enable QoS to prioritize replication traffic.

Which QoS model must be used to resolve the performance issues?

A. Resource Reservation Protocol

B. weighted round robin

C. differentiated services

D. strict priority queuing

Correct Answer: D

**QUESTION 3**
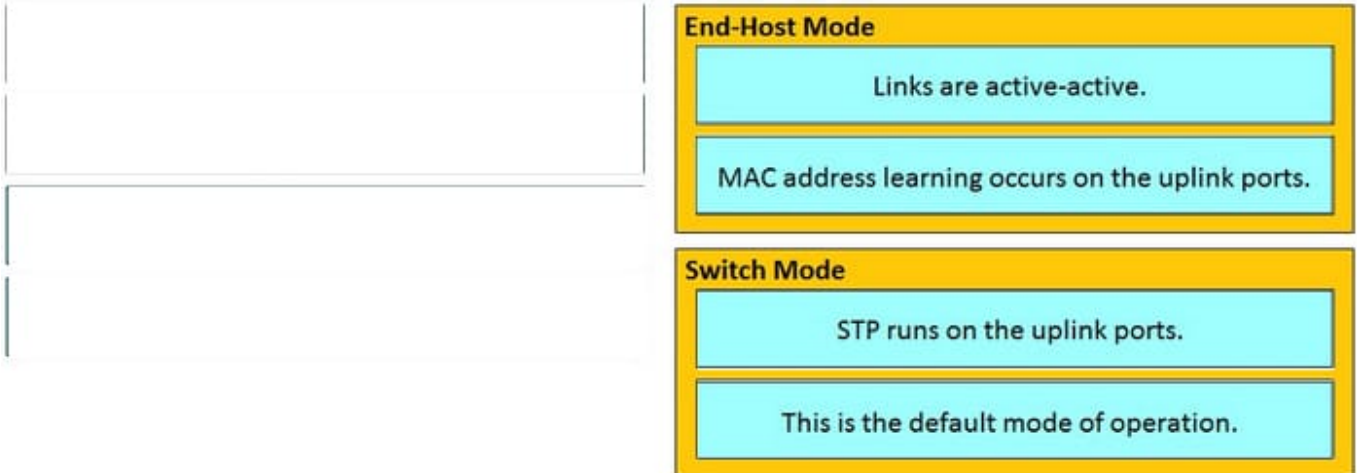
DRAG DROP

Drag and drop the feature descriptions from the left onto the correct UCS Fabric Interconnect modes on the right.

Select and Place:



Correct Answer:

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| End-Host Mode |
|---|
| Links are active-active. |
| MAC address learning occurs on the uplink ports. |

| Switch Mode |
|---|
| STP runs on the uplink ports. |
| This is the default mode of operation. |

Reference: https://www.cisco.com/c/en/us/solutions/collateral/data-center-virtualization/unified-computing/whitepaper_c11-701962.html

**QUESTION 4**

Which feature provides a sandbox to convert NX-OS CLI commands to REST-based scripts on Cisco Nexus 7700 Series Switches?

A. NX-API

B. Postman

C. Bash shell

D. Guest shell

Correct Answer: A

Reference: https://www.cisco.com/c/en/us/td/docs/switches/datacenter/nexus9000/sw/7-x/programmability/guide/b_Cisco_Nexus_9000_Series_NX-OS_Programmability_Guide_7x/b_Cisco_Nexus_9000_Series_NXOS_Programmability_Guide_7x_chapter_010010.html

**QUESTION 5**

An engineer finishes the initial set up of a VXLAN EVPN network. The engineer is asked to plan for connectivity that supports redundancy and extends multiple virtual routing and forwarding domains. The requirement is to use the same default gateway addressing across all leaf switches that belong to the VXLAN network.

Which two solution must be used to meet these requirements? (Choose two)

A. spanning tree protocol

B. VRF-lite

C. Distributed anycast gateway

D. DC interconnect

E. Inter-site network

Correct Answer: CD

https://www.cisco.com/c/en/us/td/docs/switches/lan/catalyst9300/software/release/16-12/configuration_guide/vxlan/b_16
12_bgp_evpn_vxlan_9300_cg/configuring_evpn_vxlan_ anycast_gateway.html
https://www.cisco.com/c/en/us/products/collateral/switches/nexus-9000-series-switches/white-paper-c11-739942.html

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