



# 300-610<sup>Q&As</sup>

Designing Cisco Data Center Infrastructure (DCID)

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### QUESTION 1

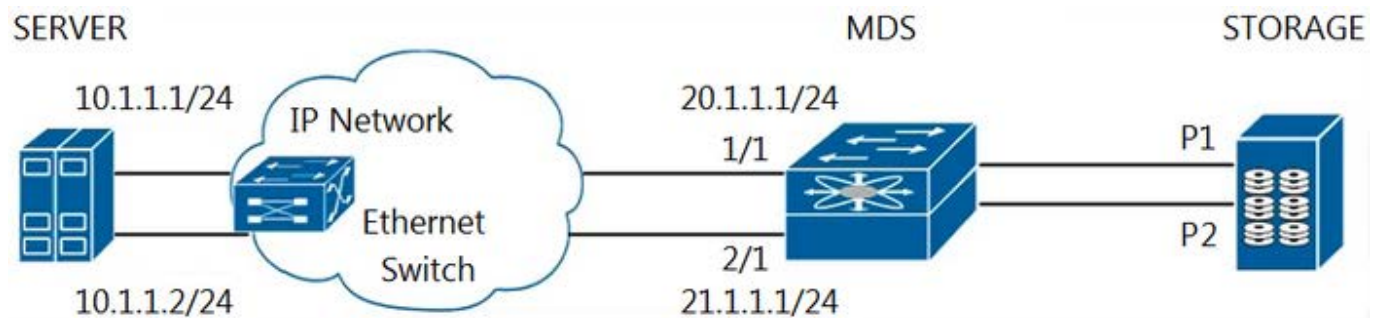
An engineer must design a solution to divide the workload across two different data centers and achieve redundancy in case of the failure of either data center. Which solution must the engineer choose?

- A. single Cisco HyperFlex stretched cluster
- B. Cisco Hyperflex edge cluster
- C. Cisco Hyperflex ROBO cluster
- D. single Cisco HyperFlex standard cluster

Correct Answer: A

### QUESTION 2

Refer to the exhibit.



A high-availability setup for iSCSI is designed with the host running iSCSI multipath software. Each IP storage port on the MDS switch exports the same two Fibre Channel target ports with different iSCSI target names. In this design, how many iSCSI sessions are created from the host so that recovery occurs if any component fails?

- A. 2
- B. 3
- C. 4
- D. 5

Correct Answer: C

[https://www.cisco.com/en/US/docs/storage/san\\_switches/mds9000/sw/rel\\_3\\_x/configuration/guides/fm\\_3\\_2/ciscsi.html](https://www.cisco.com/en/US/docs/storage/san_switches/mds9000/sw/rel_3_x/configuration/guides/fm_3_2/ciscsi.html)

### QUESTION 3

An engineer must design a VXLAN EVPN network. The solution should optimize broadcast, unknown unicast, and



multicast (BUM) and short BUM replication, and use PIM anycast RP. Which solution should be included in the design?

- A. PIM sparse mode
- B. ingress replication
- C. head-end replication
- D. PIM dense mode

Correct Answer: A

[https://www.cisco.com/c/en/us/td/docs/ios/solutions\\_docs/ip\\_multicast/White\\_papers/anycast.html](https://www.cisco.com/c/en/us/td/docs/ios/solutions_docs/ip_multicast/White_papers/anycast.html)

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#### QUESTION 4

Which type fields can an engineer use to identify an iSCSI participant? (Choose two.)

- A. type
- B. preshared key
- C. port number
- D. identifying tag
- E. hostname

Correct Answer: CE

Reference: <https://en.wikipedia.org/wiki/ISCSI>

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#### QUESTION 5

DRAG DROP

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

Select and Place:



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

**Normal Mode**

[Empty box]

[Empty box]

**Aggressive Mode**

[Empty box]

[Empty box]

Correct Answer:

[Empty input field]

[Empty input field]

[Empty input field]

[Empty input field]

**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>

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