



300-165^{Q&As}

Implementing Cisco Data Center Infrastructure

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QUESTION 1

You are implementing a Cisco FabricPath network. Which statement accurately describes the VN-Segment feature?

- A. The VN-Segment feature must be enabled on all switches.
- B. Up to 16,000 VN segments are supported on a leaf switch.
- C. The VN-Segment tag is added to VN segment edge ports.
- D. The VN-Segment feature must be enabled on all leaf switches.

Correct Answer: D

Reference: https://www.cisco.com/c/en/us/td/docs/switches/datacenter/nexus5600/sw/layer2/7x/b_5600_Layer2_Config_7x/config_vn_segment.html

QUESTION 2

```
switch (config)# spanning-tree port type edge
bpdupfilter default
switch (config)# interface ethernet 1/1-24
switch (config-if)# spanning-tree bpduguard enable
```

Refer to the exhibit. Which two descriptions of the switch are true? (Choose two.)

- A. It shuts down any edge port that receives a BPDU.
- B. It shuts down any port that receives a BPDU.
- C. If a port in the range of e1/1-24 receives a BPDU, the port is moved to the errdisable state.
- D. It prevents edge devices from sending or receiving BPDUs globally.
- E. It prevents edge devices from sending or receiving BPDUs on e1/1-24 only.

Correct Answer: CD

Reference: <https://www.cisco.com/c/en/us/td/docs/switches/datacenter/nexus5000/sw/configuration/guide/cli/CLIConfigurationGuide/SpanningEnhanced.html>

QUESTION 3



```
switch# configure terminal
switch (config)# interface ethernet 1/1
switch(config-if)# lacp rate fast
```

Refer to the exhibit. Which statement about the LACP configuration is true?

- A. Stateful switchover is supported.
- B. LACP control packets are sent at a rate of 1 per 10 minutes.
- C. LACP control packets are sent at a rate of 1 per second.
- D. LACP only supports Fast Ethernet links.

Correct Answer: C

QUESTION 4

Which two issues explain why a packet is not being routed as desired in a policy-based routing configuration? (Choose two.)

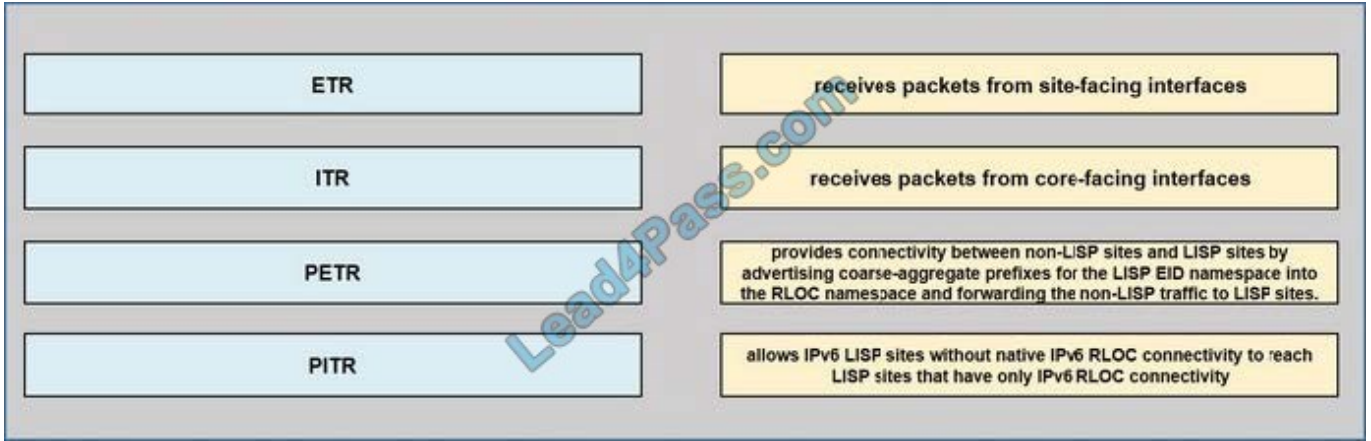
- A. The next hop that is configured in the route map has a higher metric than the default next hop.
- B. The route map is not applied to the egress interface.
- C. The next hop that is configured in the route map is not in the global routing table.
- D. The route map is not applied to the ingress interface.
- E. The next hop that is configured in the route map has a lower metric than the default next hop.

Correct Answer: CE

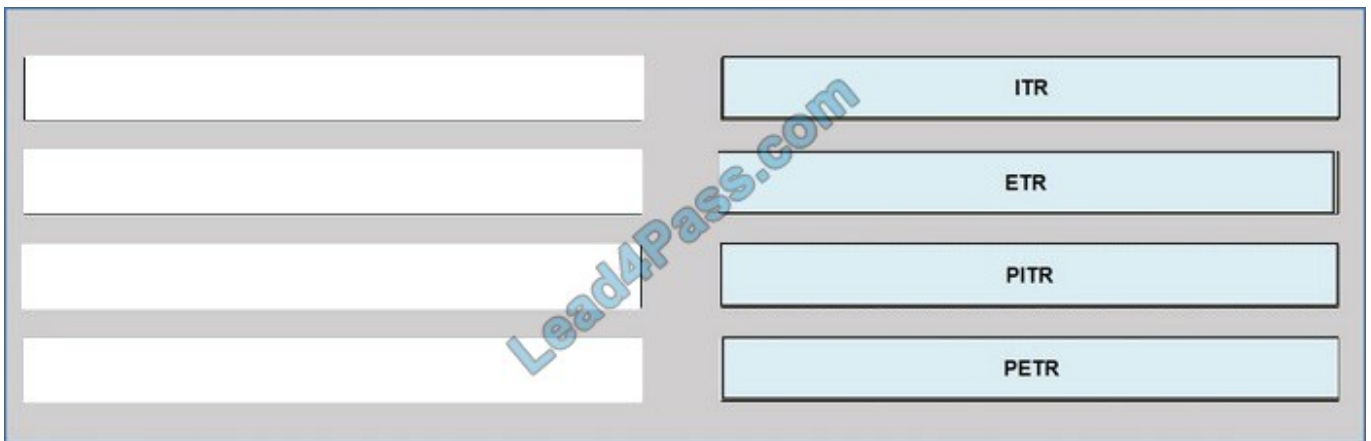
QUESTION 5

Drag and drop the LISP devices from the left onto the correct descriptions on the right.

Select and Place:



Correct Answer:



ITR = receives packets from site-facing interfaces
 ETR = receives packets from core-facing interfaces
 PITR = provides connectivity between non-LISP sites and LISP sites by advertising coarseaggregate prefixes for the LISP EID namespace into the Internet DFZ (RLOC namespace)and forwarding this non-LISP traffic to LISP sites
 PETR = allows IPv6 LISP sites without native IPv6 RLOC connectivity to reach LISP sites that only have IPv6 RLOC connectivity

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