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**Vendor:**Cisco

**Exam Code:**300-165

**Exam Name:**Implementing Cisco Data Center  
Infrastructure

**Version:**Demo

### QUESTION 1

Which two components do you enable to allow the creation of an f-port-channel-trunk? (Choose two.)

- A. f-port-channel-trunk
- B. LACP
- C. NPIV
- D. NPV
- E. LLDP

Correct Answer: CD

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### QUESTION 2

When implementing Cisco Adapter FEX, which setting on the virtual interface card on the Cisco UCS C-Series Server must be configured?

- A. uplink failover
- B. PXE boot
- C. network interface virtualization
- D. VM-FEX

Correct Answer: C

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### QUESTION 3

Refer to the exhibit. Which result of the configuration snippet is true?

```
Vlan access-map map
  Match mac address acl01
  Action forward
  Statistics per-entry
Vlan filter map vlan-list 100-200
```

- A. A VACL map is applied to VLAN 101 and VLAN 200
- B. VACL acl is applied to VLAN 100 through 200
- C. Acl is applied to all of the VLANs on the switch

D. Global statistics are provided for the ACL map

Correct Answer: B

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#### QUESTION 4

Refer to the exhibit.

```
cisco(Config)# flow record record-1
cisco(config-flow-record)# match ipv4 source address
cisco(config-flow-record)# match ipv4 destination address
cisco(config-flow-record)# match transport destination-port

cisco(config-flow-record)# collect counter bytes
cisco(config-flow-record)# collect counter packets

cisco(Config)# flow exporter exporter-1
cisco(Config-flow-exporter)# destination 10.1.1.1
cisco(Config-flow-exporter)# source Ethernet 1/1
cisco(Config-flow-exporter)# version 9
cisco(config)# sampler cisco-1
cisco(config-flow-sampler)# mode 1 out-of 1000

cisco(config)# interface Ethernet 2/1
cisco(config-if)# ip flow monitor monitor-1 input sampler cisco-1
```

Which statement about the NetFlow implementation is true?

- A. It samples inbound IPv6 traffic on Ethernet 2/1.
- B. It uses TCP for data export.
- C. It samples outbound traffic on Ethernet 2/1.
- D. It samples inbound traffic on Ethernet 2/1.

Correct Answer: D

Reference: <https://www.cisco.com/c/en/us/td/docs/ios-xml/ios/fnetflow/configuration/15-mt/fnf-15-mt-book/use-fnflow-redce-cpu.html>

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#### QUESTION 5

Which GLBP load-balancing algorithm ensures that a client is always mapped to the same VMAC address?

- A. vmac-weighted
- B. dedicated-vmac-mode

C. shortest-path and weighting

D. host-dependent

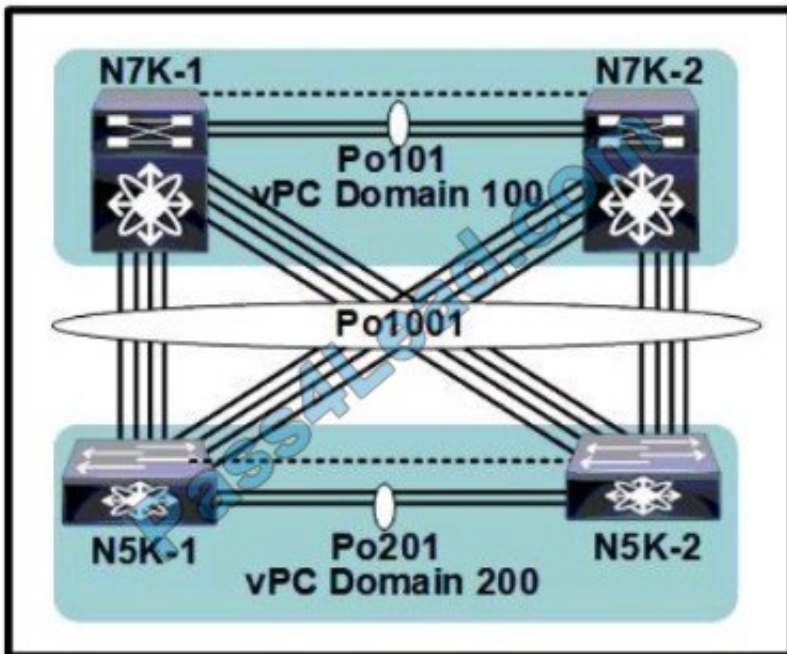
Correct Answer: D

Host dependent--GLBP uses the MAC address of the host to determine which virtual MAC address to direct the host to use. This algorithm guarantees that a host gets the same virtual MAC address if the number of virtual forwarders does not change. [http://www.cisco.com/c/en/us/td/docs/switches/datacenter/sw/5\\_x/nx-os/unicast/configuration/guide/l3\\_cli\\_nxos/l3\\_glb.html](http://www.cisco.com/c/en/us/td/docs/switches/datacenter/sw/5_x/nx-os/unicast/configuration/guide/l3_cli_nxos/l3_glb.html)

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### QUESTION 6

Refer to the exhibit.



You must ensure that the vPC Domain 100 controls the LACP Po1001 link. Which feature do you configure?

A. peer switch

B. role priority

C. system priority

D. peer gateway

Correct Answer: C

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### QUESTION 7

A network engineer must implement a technology that can support over 16 million broadcast domains. Which technology must the engineer implement?

- A. VXLAN
- B. ISIS
- C. LISP
- D. OTV

Correct Answer: A

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#### QUESTION 8

A Cisco Catalyst 6500 Series Switch suffers a supervisor failure. Which statement is true regarding Cisco NSF functionality?

- A. The line cards are reloaded.
- B. The neighbouring routers do not participate in Cisco NSF.
- C. The Cisco Express Forwarding cache is pruned.
- D. Layer 3 reconvergence does not occur.
- E. Cisco NSF can be deployed with RPR+.

Correct Answer: D

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#### QUESTION 9

You must configure Microsoft Network Load Balancing in unicast mode across OTV sites. Which OTV option do you enable?

- A. multihoming
- B. ARP local caching
- C. FHRP filtering
- D. selective unicast flooding

Correct Answer: D

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#### QUESTION 10

You are connecting a Cisco Nexus 2300 Series FEX to a Cisco Nexus 5600 Series parent switch. Which command should you use to configure the interfaces on the Nexus switch that connects to the FEX?

- A. switch(config-if)# switchport mode f
- B. switch(config-if)# switchport mode fex-fabric

C. switch(config-if)# switchport mode fabricpath

D. switch(config-if)# switchport mode vntag

Correct Answer: B

Reference: [http://www.cisco.com/c/en/us/td/docs/switches/datacenter/nexus2000/sw/configuration/guide/rel\\_4\\_0\\_1a/NX2000CLIConfig/FEX-Config.html](http://www.cisco.com/c/en/us/td/docs/switches/datacenter/nexus2000/sw/configuration/guide/rel_4_0_1a/NX2000CLIConfig/FEX-Config.html)

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### QUESTION 11

Which ACL is applied first when a packet enters a Cisco Nexus Series Switch?

A. port ACL

B. ingress router ACL

C. SGACL

D. ingress VACL

Correct Answer: A

Reference: [https://www.cisco.com/c/en/us/td/docs/switches/datacenter/sw/5\\_x/nx-os/security/configuration/guide/b\\_Cisco\\_Nexus\\_7000\\_NX-OS\\_Security\\_Configuration\\_Guide\\_\\_Release\\_5-x/b\\_Cisco\\_Nexus\\_7000\\_NX-OS\\_Security\\_Configuration\\_Guide\\_\\_Release\\_5-x\\_chapter\\_01110.html](https://www.cisco.com/c/en/us/td/docs/switches/datacenter/sw/5_x/nx-os/security/configuration/guide/b_Cisco_Nexus_7000_NX-OS_Security_Configuration_Guide__Release_5-x/b_Cisco_Nexus_7000_NX-OS_Security_Configuration_Guide__Release_5-x_chapter_01110.html)

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### QUESTION 12

```
switch# configure terminal
switch (config) # interface ethernet 1/4
switch (config-if) # switchport mode trunk
switch (config-if) # channel-group 1 mode active
```

Refer to the exhibit. Which type of port channel was created?

A. LACP

B. static

C. PAgP

D. desirable

Correct Answer: A

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