



# 300-165<sup>Q&As</sup>

Implementing Cisco Data Center Infrastructure

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### QUESTION 1

You plan to configure authentication for OSPF. In which configuration mode should you configure OSPF authentication to use a specific key chain?

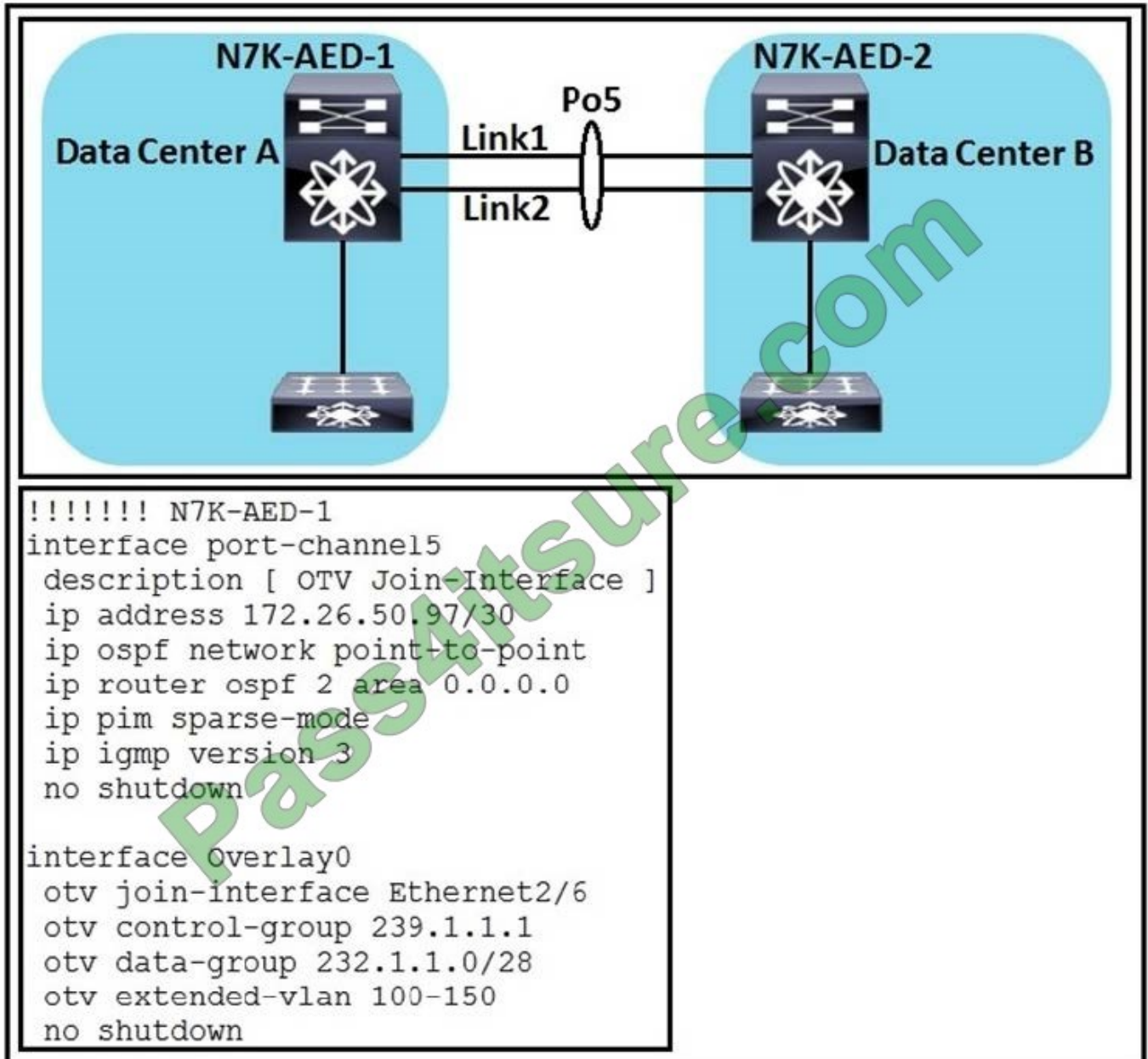
- A. router ospf
- B. global
- C. vPC
- D. interface

Correct Answer: D

Reference: [http://www.cisco.com/c/en/us/td/docs/switches/datacenter/sw/4\\_2/nx-os/unicast/configuration/guide/l3\\_cli\\_nxos/l3\\_ospf.html](http://www.cisco.com/c/en/us/td/docs/switches/datacenter/sw/4_2/nx-os/unicast/configuration/guide/l3_cli_nxos/l3_ospf.html)

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### QUESTION 2



Refer to the exhibit. Link 1 from the DCI is overutilized. Which action do you take to resolve the issue?

- A. Assign a secondary address to the port-channel5 interface.
- B. Configure multiple overlay networks between the edge devices.
- C. Change the OSPF network type to broadcast.
- D. Change the port-channel load balancing method to adaptive.

Correct Answer: D

### QUESTION 3



```
switch(config) # key chain nhrp-keys
switch(config-keychain) # key 1
switch(config-keychain-key) # key-string 0 a34d23
switch(config-keychain-key) # accept-lifetime
00:00:00 Jub 01 2017 23:59:59 Sep 12 2017
switch(config-keychain-key) # send-lifetime
00:00:00 Jun 01 2017 23:59:59 Aug 12 2017
```

Refer to the exhibit. What is the result of the configuration?

- A. The key chain will be accepted after September 12, 2017
- B. An unencrypted key chain is entered into the switch.
- C. The key chain is valid for 24 hours only.
- D. An encrypted key chain is entered into the switch.

Correct Answer: B

#### QUESTION 4

Which two items are services that are provided by Cisco Fabric Services? (Choose two.)

- A. RSA key pair distribution
- B. device alias distribution
- C. Kerberos proxy distribution
- D. DPVM configuration distribution
- E. VLAN database distribution

Correct Answer: BD

Reference:

[http://www.cisco.com/en/US/products/ps5989/products\\_configuration\\_guide\\_chapter09186a0080662ca8.html](http://www.cisco.com/en/US/products/ps5989/products_configuration_guide_chapter09186a0080662ca8.html)

#### QUESTION 5

Which standard has Cisco used to implement VM-FEX?

- A. IEEE 802.1BR
- B. IEEE 802.1Qbb
- C. IEEE 802.1Qaz



D. IEEE 802.1p

E. IEEE 802.1x

Correct Answer: A

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#### QUESTION 6

When configuring HSRP on IPv6-enabled interfaces, which two commands are required? (Choose two.)

A. SwitchA(config-if)# hsrp version 2

B. SwitchA(config-if)# hsrp ipv6

C. SwitchA(config-if)#key 6

D. SwitchA(config-if)#standby 6 preempt

E. SwitchA(config-if)#priority

Correct Answer: AB

Reference: [https://www.cisco.com/c/en/us/td/docs/switches/datacenter/sw/5\\_x/nx-os/unicast/configuration/guide/l3\\_cli\\_nxos/l3\\_hsrp.html#12769](https://www.cisco.com/c/en/us/td/docs/switches/datacenter/sw/5_x/nx-os/unicast/configuration/guide/l3_cli_nxos/l3_hsrp.html#12769)

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#### QUESTION 7

Between which two types of ports does FIP establish Fibre Channel virtual links? (Choose two.)

A. VE Ports and VE Ports

B. N Ports and F Ports

C. VN Ports and VF Ports

D. VP Ports and VE Ports

E. VE Ports and VF Ports F. E Ports and E Ports

Correct Answer: AC

FIP aims to establish virtual FC links between VN\_Ports and VF\_Ports (ENode to FCF), as well as between pairs of VE\_Ports (FCF to FCF), since these are the only legal combinations supported by native Fibre Channel fabrics. Standards-compliant implementations are not required to support both forms of virtual FC links, and Cisco has decided to focus initially on implementing FIP only between ENodes and FCFs. FCF-to-FCF connectivity is considered a strategic direction for end-to-end FCoE deployments, but the short-term urgency is for FCoE adoption between CNAs and the Fibre Channel fabric perimeter, where unified fabric can offer the greatest capital expenditure (CapEx) savings today. [http://www.cisco.com/c/en/us/products/collateral/switches/nexus-7000-series-switches/white\\_paper\\_c11-560403.html](http://www.cisco.com/c/en/us/products/collateral/switches/nexus-7000-series-switches/white_paper_c11-560403.html)

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#### QUESTION 8





```
NEXUS# configure terminal
NEXUS# locator-led fex 100
NEXUS(config)# feature fex
NEXUS(config)# fex 100
NEXUS(config-fex)# type N2232TM
NEXUS(config-fex)# serial JAF1427BQLG
NEXUS(config)# interface ethernet 1/24-32
NEXUS(config-if)# switchport
NEXUS(config-if)# switchport mode fex-fabric
NEXUS(config-if)# fex associate 100
NEXUS(config-if)# no shutdown

NEXUS # show fex 100 detail
FEX: 100 Description: FEX0100 state: Online
  FEX version: 5.0(2)N1(1) [Switch version: 5.0(2)N1(1)]
  FEX Interim version: 5.0(2)N1(0.205)
  Switch Interim version: 5.0(2)N1(0.205)
  Extender Model: N2K-C2232TM, Extender Serial: JAF1427BQLG
  Part No: 73-13373-01
  Card Id: 132, Mac Addr: 68:ef:bd:62:2a:42, Num Macs: 64
  Module Sw Gen: 21 [Switch Sw Gen: 21]
  post level: complete
pinning-mode: static      Max-links: 1
Fabric port for control traffic: Eth1/29
Fabric interface state:
  Eth1/25 - Interface Up. State: Active
  Eth1/26 - Interface Up. State: Active
  Eth1/27 - Interface Up. State: Active
  Eth1/28 - Interface Up. State: Active
  Eth1/29 - Interface Up. State: Active
  Eth1/30 - Interface Up. State: Active
  Eth1/31 - Interface Up. State: Active
  Eth1/32 - Interface Up. State: Active
```

Refer to the exhibit. You must distribute all the host ports to use all eight configured FEX uplinks. The solution must minimize disruption if an uplink fails. Which action do you take?

- A. Change the supported FEX type.
- B. Configure the eight uplinks in a port channel.
- C. Set the pinning max-links value to 8.
- D. Statically assign each host interface to a fabric uplink.

Correct Answer: C

## QUESTION 9



You have a Cisco MDS 9000 Series Switch that uses port channels. You must ensure that frames between the source and the destination follow the same links for a specific flow. Subsequent flows can use a different link. Which load balancing method do you use?

- A. source-destination-port
- B. source-destination-ip
- C. flow
- D. source id-destination id-oxid

Correct Answer: C

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#### QUESTION 10

Which statement describes what happens if a new EPLD version is released with a new Cisco NX-OS version for a Cisco Nexus switch, but these EPLDs are not upgraded at the same time that NX-OS is upgraded?

- A. Any new hardware or software feature that depends on the updated EPLD image is disabled until upgraded.
- B. Modules that use an updated EPLD image remain offline until the EPLD is upgraded.
- C. The EPLD image version mismatch is detected by the supervisor, which automatically initiates an upgrade.
- D. The Cisco NX-OS upgrade fails as a result of the mismatch between EPLDs and NX-OS versions.

Correct Answer: A

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#### QUESTION 11

Which statement accurately describes EPLD upgrades?

- A. A system reboot is required after an EPLD upgrade
- B. They should be performed only if advised by the Cisco TAC
- C. EPLD upgrades apply only to supervisor modules
- D. They are disruptive to the module to which they are applied

Correct Answer: D

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#### QUESTION 12

Which three parameters can be set when configuring a Cisco MDS 9000 Series Switch to use a TACACS+ server? (Choose three.)

- A. group-size
- B. deadtime



C. timeout

D. keep-alive

E. retransmit

Correct Answer: BCE

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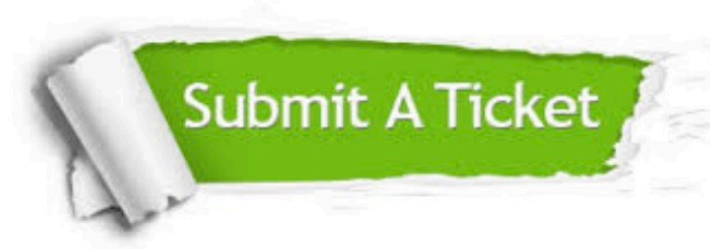
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