

Cisco 642-998 Exam Questions & Answers

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Cisco 642-998 Exam Questions & Answers

Exam Name: Designing Cisco Data Center Unified Computing (DCUCD)

Certkiller

QUESTION 1

How many paths can be considered in NX-OS for equal-cost multipathing?

- A. 4
- B. 8
- C. 12
- D. 16

Correct Answer: D

Section: (none)

Explanation

Explanation/Reference:

QUESTION 2

In the Cisco Nexus 7010 architecture, In-Service Software Upgrades are enabled by which of the following components or features?

- A. kickstart image
- B. rapid switchover
- C. automated configuration
- D. plug-in based services and features

Correct Answer: D

Section: (none)

Explanation

Explanation/Reference:

QUESTION 3

Which three of these statements are true about the M1 32-port, 10-Gb Ethernet Module in shared mode on a Cisco Nexus 7010 Switch with two fabric modules? (Choose three.)

- A. 21 ports are disabled.
- B. All 32 ports can be used.
- C. Total bandwidth capacity is 92 Gb/s.
- D. N+1 redundancy cannot be accomplished.
- E. 230 Gb/s bandwidth is available to the fabric.

Correct Answer: BCD

Section: (none)

Explanation

Explanation/Reference:

QUESTION 4

Which three benefits does the N_Port Virtualization Cisco Nexus OS feature provide? (Choose three.)

- A. simplifies management
- B. assigns a unique Fibre Channel domain ID to the switch

- C. provides access to Fibre Channel and FCoE-connected servers
- D. extends the number of Fibre Channel domains from 256 to 512
- E. increases scalability by not requiring a Fibre Channel domain ID

Correct Answer: ACE

Section: (none)

Explanation

Explanation/Reference:

QUESTION 5

On a Cisco NX-OS switch, what is the role of the kickstart image?



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- A. provide kernel services
- B. provide driver services
- C. provide control plane services
- D. provide access services

Correct Answer: A

Section: (none)

Explanation

Explanation/Reference:

QUESTION 6

Which command enables uRPF in strict mode in the latest Cisco IOS release?

- A. ip verify unicast reverse-path
- B. ip verify unicast source reachable-via rx
- C. ip verify unicast source reachable-via any
- D. ip verify unicast any reachable-via strict

Correct Answer: B

Section: (none)

Explanation

Explanation/Reference:

QUESTION 7

During Dynamic ARP Inspection, which feature learns the MAC and IP addresses?

- A. ping
- B. NetFlow
- C. FIP snooping

D. DHCP snooping

Correct Answer: D

Section: (none)

Explanation

Explanation/Reference:

QUESTION 8

Which three basic parameters of operation does the RBAC feature provide? (Choose three.)

- A. Command
- B. Feature
- C. Feature Group
- D. Modify default user role

Correct Answer: ABC

Section: (none)

Explanation

Explanation/Reference:

QUESTION 9

A Cisco Nexus 7000 system with dual supervisors requires three IP addresses for initial system setup. Which two methods describe how those IP addresses are assigned? (Choose two.)

- A. one each for the two CMPs
- B. one shared by the two CMPs
- C. one for the in-band management port
- D. one each for the two supervisor modules
- E. one shared by the two supervisor modules

Correct Answer: AE

Section: (none)

Explanation

Explanation/Reference:

QUESTION 10

Which Cisco NX-OS tool that is specific to the Cisco Nexus 7000 Series switches performs packet capture?

- A. Ethereal
- B. Wireshark
- C. tcpdump
- D. Ethalyzer

Correct Answer: D

Section: (none)

Explanation

Explanation/Reference:

QUESTION 11

Which item is gathered in the Cisco DCNM initial discovery process?

- A. response time from the device
- B. only Cisco NXOS devices on the network
- C. running configuration
- D. show tech-support output from discovery devices

Correct Answer: C

Section: (none)

Explanation

Explanation/Reference:

QUESTION 12

In the data plan, which stateful fault recovery reduces the impact of failure?

- A. grace period
- B. software modularity
- C. Nonstop Forwarding
- D. persistent storage service

Correct Answer: D

Section: (none)

Explanation

Explanation/Reference:

QUESTION 13

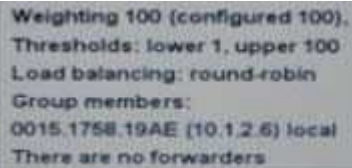
Refer to the exhibit.

This multilayer Cisco Nexus switch had been the active virtual gateway for Group 1 before it became temporarily unavailable.

What will happen to GLBP Group 1 when this device becomes available again?

```
Nexus# show glbp
Ethernet2/6 - Group 1
State is Up
1 state change(s), last state change(s)
00:02:53
Virtual IP address is 10.1.2.7
```

```
Hello time 3 sec, hold time 10 sec
Redirect time 600 sec, forwarded time-out
14400 sec
Preemption disabled
Active is unknown
Standby is unknown
Priority 100 (configured)
```



```
Weighting 100 (configured 100),
Thresholds: lower 1, upper 100
Load balancing: round-robin
Group members:
0015.1758.19AE (10.1.2.6) local
There are no forwarders
```

- A. The currently active router remains active.
- B. It depends on the priority value that is configured active on the router.
- C. The Cisco Nexus switch becomes the active virtual gateway after 600 seconds.
- D. It depends on the weighting values that are configured active on the router.

Correct Answer: A

Section: (none)

Explanation

Explanation/Reference:

QUESTION 14

Which two statements about implementing Cisco NPV and NPIV on a Cisco Nexus 5000 Series switch are true? (Choose two.)

- A. STP must run inside the FP network.
- B. All VLANs must be in the same mode, CE, or FP.
- C. FP port can join the private and nonprivate VLANs.
- D. Only F and M series modules can run FabricPath.
- E. These require an enhanced Layer 2 license to run.

Correct Answer: BE

Section: (none)

Explanation

Explanation/Reference:

QUESTION 15

What is the Overlay Transport Virtualization site VLAN used for?

- A. to allow the join interfaces at different sites to communicate
- B. to detect devices at the site that are not capable of OTV
- C. to allow multiple site AEDs to communicate with each other
- D. to detect other OTV edge devices in the site

Correct Answer: D

Section: (none)

Explanation

Explanation/Reference:

QUESTION 16

Which statement about FabricPath and private VLANs is true?

- A. FabricPath ports can be put into a private VLAN.

- B. All VLANs in the private VLAN must in the same mode.
- C. Private VLANs are not supported with FabricPath.
- D. FabricPath is the only mode supported for private VLANs.

Correct Answer: B

Section: (none)

Explanation

Explanation/Reference:

QUESTION 17

Refer to the exhibit.

What will be the result of this configuration?

```
Nexus(config)# monitor session 1
Nexus(config-monitor)# source interface e2/4
Nexus(config-monitor)# destination interface e2/1
Nexus(config-monitor)# filter vlan 55,56
Nexus(config-monitor)#
```

- A. VLANs 55 and 56 are monitored on port e/21.
- B. One SPAN session is monitored on port e2/4.
- C. VLANs 55 and 56 are copied from trunk interface e2/4.
- D. VLANs 55 and 56 are not copied to SPAN destinations.

Correct Answer: C

Section: (none)

Explanation

Explanation/Reference:

QUESTION 18

Which management feature provides these functions?

- . Direct paging of network support engineers
- . Email notifications to a network operations center
- . Direct Service Request generation with the Cisco TAC

- A. scripting along with the scheduler feature
- B. RSA
- C. Call Home
- D. SNMP traps

Correct Answer: C

Section: (none)

Explanation

Explanation/Reference:

QUESTION 19

Refer to the exhibit.

Which command would you execute to attempt a recovery?

```
stg1dcc0201# sho vdc
```

vdc_id	vdc_name	state	mac
1	stg1dcc0201	active	00:26:51:cb:80:c1
2	stg1prod201	failed	00:26:51:cb:80:c2
3	stn1prod201	active	00:26:51:cb:80:c3
4	rtg1host001	active	00:26:51:cb:80:c4

- A. switchto vdc stg1prod201 reload
- B. reload vdc 2
- C. reload vdc stg1prod201
- D. restart vdc stg1prod201
- E. switchto vdc stg1prod201 restart

Correct Answer: C

Section: (none)

Explanation

Explanation/Reference:

QUESTION 20

For which two reasons would you enter these commands in a Cisco Nexus 5000 Series switch? (Choose two.)

```
n5k(config)# int ethernet 1/21
```

```
n5k(config-if)# priority-flow-control mode on
```

- A. The peer device requires this configuration for proper spanning-tree operation.
- B. The peer device does not support LLDP.
- C. The Cisco Nexus 5000 chassis is not DCBX capable.
- D. Unexpected DCBX negotiation occurred with the peer device.
- E. UDLD is also configured on interface ethernet 1/21.

Correct Answer: BD

Section: (none)

Explanation

Explanation/Reference:

QUESTION 21

A Cisco Nexus 2000 Series Fabric Extender is connected to two Cisco Nexus 5000 Series switches via a vPC link. After both Cisco Nexus 5000 Series switches lose power, only one switch is able to power back up. At this time, the Cisco Nexus 2000 Series Fabric Extender is not active. Which action will get the Cisco Nexus 2000 Series Fabric Extender active when only one Cisco Nexus 5000 Series switch is up and active?

- A. Move the line from the failed Cisco Nexus 5000 Series switch to the switch that is powered on, so the port channel forms automatically on the switch that is powered on.
- B. Shut down the peer link on the Cisco Nexus 5000 Series switch that is powered on.
- C. Configure reload restore or auto-recovery reload-delay on the Cisco Nexus 5000 Series switch that is powered on.
- D. Power off and on the Cisco Nexus 2000 Series Fabric Extender so that it can detect only one Cisco Nexus 5000 Series switch at power up.

Correct Answer: C

Section: (none)

Explanation

Explanation/Reference:

QUESTION 22

Which two reasons explain why a server on VLAN 10 is unable to join a multicast stream that originates on VLAN 20? (Choose two.)

- A. IGMP snooping and mrouter are not enabled on VLAN 10.
- B. VLAN 20 has no IGMP snooping querier defined and VLAN 10 has no mrouter.
- C. The mrouter on VLAN 20 does not see the PIM join.
- D. The mrouter must be on VLAN 10 and VLAN 20.

Correct Answer: AC

Section: (none)

Explanation

Explanation/Reference:

QUESTION 23

Which two causes might explain why a Fibre Channel connection between a Cisco Nexus 5000 Series switch and a Cisco MDS that is using Cisco NPV is not working? (Choose two.)

- A. The Cisco NPV feature is not enabled on the Cisco MDS.
- B. The NPIV feature is enabled on the Cisco MDS, but it has not been reloaded to complete the change to NPIV mode.
- C. The host-facing interface of the Cisco MDS is not configured for switchport mode F.
- D. The Cisco Nexus 5000 interface to the Cisco MDS is not configured for switchport mode NP.

Correct Answer: AC

Section: (none)

Explanation

Explanation/Reference:

QUESTION 24

Which two statements represent a multihome site setup? (Choose two.)

```
Nexus7000# sh run otv
!Command: show running-config otv

!Time: Wed Oct 13 15:54:18 2011

version 5.0(3)
feature otv
otv site-vlan 2
interface Overlay1
  otv join-interface Ethernet1/26
  otv control-group 239.1.1.1
  otv data-group 232.1.1.0/28
  otv extend-vlan 3-20

Nexus2-4-Delhi# sh run int ethernet 1/26
! interface Ethernet1/26
  description Join Interface for OTV
  ip address 192.100.100.1/30
  no shutdown
```

- A. The site VLAN should be included in the extended VLANs list.
- B. The IGMP configuration is missing from interface ethernet 1/26.
- C. Interface ethernet 1/26 is not in VLAN 2.
- D. The trunk configuration is missing from interface overlay 1.
- E. The OTV site VLAN must be the same as the other site.

Correct Answer: AE

Section: (none)

Explanation

Explanation/Reference:

QUESTION 25

Which policy-map action performs congestion avoidance?

- A. priority
- B. bandwidth
- C. queue-limit
- D. random-detect

Correct Answer: D

Section: (none)

Explanation

Explanation/Reference:

QUESTION 26

In policy-based routing, which action is taken for packets that do not match any of the route-map statements?

- A. forwarded after the egress queue empties on the outbound interface
- B. forwarded using the last statement in the route map
- C. forwarded using the closest matching route-map statement
- D. forwarded using destination-based routing

Correct Answer: D

Section: (none)

Explanation

Explanation/Reference:

QUESTION 27

Refer to the exhibit.

After this configuration is applied, what is the maximum number of VRFs that are available to VDC Engineering?

```
Switch (config)#vdc resource template Nexus-switch
Switch (config-vdc-template)# limit-resource vlan minimum 32 maximum 256
Switch (config-vdc-template)# limit-resource vrf minimum 32 maximum 64
```

```
Switch (config-vdc-template)# exit
Switch (config)# vdc engineering
Switch (config-vdc)# template Nexus-switch
```

```
Switch (config-vdc-template)# exit
Switch (config)# vdc resource template Nexus-switch
Switch (config-vdc-template)# limit-resource vrf minimum 16 maximum 32
```

- A. 64
- B. 32
- C. 16
- D. 48
- E. 256

Correct Answer: A

Section: (none)

Explanation

Explanation/Reference:

QUESTION 28

What can a Cisco Nexus 7010 switch administrator do for each VDC to provide OOB management?

- A. Associate the VDC management VRF to the same subnet as the default VDC management VRF.
- B. Use 802.1Q trunking and provide a separate management IP for each VDC.
- C. Dedicate an Ethernet interface for OOB management use.
- D. Use the same VLAN and subnet for all VDCs, with different IP addresses.

Correct Answer: D

Section: (none)

Explanation

Explanation/Reference:

QUESTION 29

Refer to the exhibit.

What is the consequence of configuring peer-gateway on the two vPC peers N7K-1 and N7K-2?

```
N7K-1(config)# feature vpc
N7K-1(config)# vpc domain 113
N7K-1(config-vpc-domain)# peer-gateway
N7K-1(config-vpc-domain)#
```

```
N7K-2(config)# feature vpc
N7K-2(config)# vpc domain 113
N7K-2(config-vpc-domain)# peer-gateway
N7K-2(config-vpc-domain)#
```

- A. Nothing, this is the standard vPC configuration to make the feature work.
- B. The downstream device detects only one of the vPC peers as its gateway.
- C. The downstream device can use DMAC of N7K-1 on the link to N7K-2, and N7K-2 forwards the packet.
- D. This configuration enables the downstream device to use DHCP to obtain its default gateway.

Correct Answer: C

Section: (none)

Explanation

Explanation/Reference:

QUESTION 30

What is an Overlay Transport Virtualization extended VLAN?

- A. the VLAN used to locate other AEDs
- B. the VLAN used to access the overlay network by the join interface
- C. the user VLAN that exists in multiple sites
- D. the VLAN that must contain the overlay interface

Correct Answer: C

Section: (none)

Explanation

Explanation/Reference:

QUESTION 31

Which three statements about Data Center Bridging Exchange on Cisco Nexus switches are true? (Choose three.)

- A. DCBX is not yet standardized and the version that is implemented on the Cisco Nexus Series switches is Cisco proprietary.
- B. DCBX runs on top of the Link Layer Data Protocol.
- C. DCBX is an optional recommended feature when FCoE is implemented.
- D. Cisco Nexus 5000 Series switches support CIN and CEE DCBX.
- E. DCBX on the Cisco Nexus 5000 Series switches can interoperate with the Cisco Nexus 7000, 4000, and Catalyst Series Cisco switches.
- F. DCBX is used between the Cisco Nexus Series switches and devices with converged network adapters to exchange information about features they support.

Correct Answer: BDF

Section: (none)

Explanation

Explanation/Reference:

QUESTION 32

Which three statements about implementing Cisco NPV and NPIV on a Cisco Nexus 5000 Series switch are true? (Choose three.)

- A. By default, Cisco Nexus 5000 Series switches operate in fabric mode. In this mode, the switch provides standard Fibre Channel switching capability and features.
- B. In NPV mode, each switch that joins a SAN is assigned a domain ID.
- C. In NPV mode, the edge switch appears as a Fibre Channel host to the core switch.
- D. In NPV mode, the edge switch relays all traffic to the core switch, which provides the Fibre Channel switching capabilities.
- E. The Cisco Nexus 5000 Series of switches must run either the NPV or NPIV mode. They cannot run both features simultaneously.
- F. All interfaces from the edge switch to the core switch NPV mode are configured as proxy N ports (PN ports).

Correct Answer: ACD

Section: (none)

Explanation

Explanation/Reference:

QUESTION 33

You are migrating existing Cisco 6500 Series devices to Cisco Nexus 7000 Series devices. Which Cisco NX-OS configuration is equivalent to this Cisco IOS configuration? interface Ethernet2/1

```
ip address 192.168.10.2 255.255.255.0
```

```
standby 0 ip 192.168.10.1
```

```
standby 0 priority 110
```

```
standby 0 preempt
```

- A. feature hsrp interface ethernet 2/1 ip address 192.168.10.2/24 hsrp ip 192.168.10.1 preempt
- B. feature-set hsrp interface ethernet 2/1 ip address 192.168.10.2/24 hsrp ip 192.168.10.1 priority 110 preempt
- C. feature hsrp interface ethernet 2/1 ip address 192.168.10.2/24 hsrp ip 192.168.10.1 priority 110 preempt
- D. feature hsrp interface ethernet 2/1 ip address 192.168.10.2/24 standby 0 ip 192.168.10.1 standby 0 priority 110 standby 0 preempt

Correct Answer: A

Section: (none)

Explanation

Explanation/Reference:

QUESTION 34

The install all command performs which two functions? (Choose two.)

- A. restores the old image as the new kickstart image
- B. backs up the currently active software image before upgrading it
- C. causes a switchover back to the originally active supervisor module

- D. copies the kickstart and system images to the standby supervisor module
- E. reloads the standby supervisor module with the new Cisco NX-OS software

Correct Answer: DE

Section: (none)

Explanation

Explanation/Reference:

QUESTION 35

Which is the first step of the ISSU process?

- A. Switch over to the standby supervisor.
- B. Upgrade the BIOS of standby supervisors.
- C. Upgrade the BIOS of the active supervisor.
- D. Bring up the standby supervisor with the new kickstart image.

Correct Answer: B

Section: (none)

Explanation

Explanation/Reference:

QUESTION 36

Which two options are roles of the authentication server in Cisco TrustSec? (Choose two.)

- A. derives the security group tag based on the security policy configuration
- B. provides policy authentication
- C. verifies the identities of the supplicant that are part of the Cisco TrustSec
- D. provides reauthentication timeouts
- E. authenticates the user if the supplicant is an endpoint device

Correct Answer: CE

Section: (none)

Explanation

Explanation/Reference:

QUESTION 37

Which option correctly defines the grid power redundancy mode on Cisco Nexus 7010, Nexus 7009, and Nexus 7018 chassis?

- A. This mode guards against the failure of either one power supply or one grid, and the available power is always the minimum of input source and power supply redundancy.
- B. This mode guards against the failure of one input circuit. The power available to the system is the minimum power provided by either of the input sources.
- C. This mode provides no redundancy. The power available to the system is the sum of the power outputs of all power supplies.
- D. This mode guards against the failure of one of the power supplies. The power available to the system is the sum of the two least-rated power supplies.

Correct Answer: B

Section: (none)

Explanation

Explanation/Reference:

QUESTION 38

On a Cisco Nexus 7000 Series router, which statement about HSRP and VRRP is true?

- A. When VDCs are in use, only VRRP is supported.
- B. HSRP and VRRP both use the same multicast IP address with different port numbers.
- C. HSRP has shorter default hold and hello times.
- D. The VRRP group IP address can be the same as the router-specific IP address.

Correct Answer: D

Section: (none)

Explanation

Explanation/Reference:

QUESTION 39

Which function does the graceful restart feature allow a Cisco Nexus 7000 Series router to perform?

- A. Perform a rapid route convergence.
- B. Initialize a standby supervisor transparently when one is present.
- C. Remain in the data forwarding path through a process restart.
- D. Maintain a management connection throughout a router restart.

Correct Answer: C

Section: (none)

Explanation

Explanation/Reference:

QUESTION 40

Secure connectivity protects against information threat or alteration of end-user data over untrusted transport mediums.

Which three ways provide secure connectivity across the WAN? (Choose three.)

- A. direct IPsec encapsulation
- B. virtualization experience infrastructure
- C. dynamic multipoint GRE
- D. virtual tunnel interface
- E. policy-based routing

Correct Answer: ACD

Section: (none)

Explanation

Explanation/Reference:



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