4A0-M05.18q

4A0-M05

Nokia Cloud Packet Core

Exam A

QUESTION 1
Which of the following best describes the reason for CPU pinning?

A. To ensure that a VM is assigned to high performance CPU cores.
B. To ensure that a VM's CPU cores area all allocated on the same NUMA node.
C. To ensure that a VM is assigned to a compute node with adequate resources.
D. To ensure that a VM is assigned a sufficient number of CPU cores.

Correct Answer: A
Section: (none)
Explanation

Explanation/Reference:

QUESTION 2
Which of the following describes the benefit of using huge pages?

A. Huge pages improves the performance of mapping virtual memory addresses to physical memory addresses.
B. Huge pages improves the performance of decreasing the number of memory accesses involved in a page table walk.
C. Huge pages improves the performance of swapping by increasing the number of TLB cache hits.
D. Huge pages improves the performance of swapping by optimizing the loading of pages to main memory.

Correct Answer: C

Section: (none)
Explanation

Explanation/Reference:
QUESTION 3
Which of the following describes the 2N model for VM redundancy?

A. There is one active VM and one standby VM that takes over if the active VM fails.
B. Thera are N active VMs and a pool of standby VMs that can take over if one or more active VMs fail.
C. There are N active VMs, each one paired with a standby VM that takes over if its active VM fails.
D. There are 2N active VMs deployed to support a service that needs N active VMs, with extra capacity in case one or more VMs fail.

Correct Answer: C
Section: (none)
Explanation

Explanation/Reference:

QUESTION 4
Which of the following statements about interface redundancy with OVS is FALSE?

A. OVS provides redundancy through a Linux bonded interface on the hypervisor.
B. Guest VMs have two virtual NICs connected to OVS through a Linux bridge.
C. Ethernet frames are sent between the redundant interfaces to verify connectivity.
D. OVS connects to two physical ports connected to distinct leaf switches.

Correct Answer: C
Section: (none)
Explanation

Explanation/Reference:

QUESTION 5
Which of the following OpenStack projects provides networking services to VMs?

A. Neutron

B. Nova

C. Keystone

D. Horizon

Correct Answer: A

Section: (none)

Explanation

Explanation/Reference:

QUESTION 6

Which of the following provides the virtual hardware environment for the guest OS on a Linux system?

A. libvirt

B. QEMU

C. virsh

D. ESXi

Correct Answer: B

Section: (none)

Explanation

Explanation/Reference:

QUESTION 7

Which of the following networks is NOT required by CMM?

A. An OAM network for CMM management

B. An internal network for inter-VM communication

C. A data switch fabric for carrying 3G data plane traffic between IPDS and IPPS.

D. An external network for communication with external entities.

Correct Answer: D

Section: (none)

Explanation

Explanation/Reference:

QUESTION 8
Which of the following statements regarding CMM internal IP management (IIPM) is FALSE?

A. IIPM manages reachability between CMM VNF components.

B. IIPM monitors connectivity over two vNIC ports when two internal networks are used.

C. With IIPM, broadcast messages are sent periodically between VMs.

D. IIPM uses BFD to provide a fast switchover in case of an internal reachability failure.

Correct Answer: C
Section: (none)
Explanation

Explanation/Reference:

QUESTION 9
Which of the following statements regarding the CMM virtual network function (VNF) architecture is FALSE?

A. The CMM VNF consists of multiple virtual machines that run on top of a cloud infrastructure.

B. The load balancer layer terminates external logical interfaces.

C. The transaction layer processes 3G user plane.

D. The CMM VNF follows a multi-tier architecture where each tier can scale independently.

Correct Answer: A

Explanation/Reference:

QUESTION 10
Which of the following statements regarding CMM log management is FALSE?

A. VMs push logs to the Kafka pipeline.

B. The event consumer in NECC retrieves the logs from Kafka.
C. Various log files generated automatically in CMM.
D. A log query can be created to retrieve logs from the database based on a time range.

Correct Answer: B
Section: (none)
Explanation

Explanation/Reference:

QUESTION 11
Which of the following statements regarding CMM call processing is TRUE?

A. Call processing services are deployed in active-standby mode and resources are fully duplicated
B. Call processing services are deployed in pure stateless mode and UE contexts are only stored in an external database
C. Call processing services are deployed in hybrid mode and UE contexts are stored both locally and in an external database
D. Call processing services are deployed in all-active mode and UE contexts are only stored locally

Correct Answer: A
Section: (none)
Explanation

Explanation/Reference:

QUESTION 12
Which of the following statements regarding CMM intra-VNF redundancy is FALSE?

A. CPPS VMs operate in N+ redundancy model
B. IPDS VMs operate in N+ redundancy model
C. DBS VMs operate in 2N redundancy model
D. NECC VMs operate in 1+1 with quorum redundancy model

Correct Answer: B
Section: (none)
Explanation
Explanation/Reference:

QUESTION 13
Which of the following about CMG CUPS architecture is FALSE?

A. CMG user plane VNF implements the SGW-U, PGW-U, and GGSN-U functionalities
B. A 7750 SR MG communicates with a CMG control plane VNF over Sx interface
C. CMG control plane VNF can be deployed in LB-mode or LB-less mode
D. CMG user plane VNF can be deployed in LB-mode or LB-less mode

Correct Answer: C
Section: (none)
Explanation

Explanation/Reference:

QUESTION 14
Which of the following about CMG configuration management is FALSE?

A. CMG can be configured using CLI commands
B. CMG can be configured using SNMP interfaces
C. CloudBand Infrastructure Software (CBIS) is used for CMG out-of-band management
D. CMG OAM-VM provides system configuration, system assurance, and alarm management

Correct Answer: B
Section: (none)
Explanation

Explanation/Reference:

QUESTION 15
Which of the following statements about CMG inter-VNF geo-redundancy is FALSE?

A. Only the master CMG instance handles call processing and data path forwarding
B. 1:1 geo-redundancy mode is used
C. Master CMG instance synchronizes subscriber information to its slave CMG instance
D. Slave CMG instance takes over when the master CMG instance is in overload state

Correct Answer: A
Section: (none)
Explanation

Explanation/Reference:

QUESTION 16
Which of the following about CMG deployment in LB mode is TRUE?

A. Ingress control plane traffic is received directly from an external gateway to OAM-VM
B. Egress control plane traffic is sent directly from MG-VM to an external gateway
C. Ingress user plane traffic is received directly from an external gateway to LB-VM
D. Egress user plane traffic is sent directly from MG-VM to an external gateway

Correct Answer: B
Section: (none)
Explanation

Explanation/Reference:

QUESTION 17

Which of the following is a function of CMG LB-VM?

A. Generates periodic KPI/KCI XML reports
B. Terminates external control plane logical interfaces
C. Performs policy and charging enforcement function
D. Provides management interfaces to NSP

Correct Answer: C
Section: (none)
Explanation

Explanation/Reference:
QUESTION 18
Which of the following functions can be provided by an SPS managed element (ME)?

A. Service Manager
B. Customer Engagement
C. Policy Control Enforcement Function
D. Subscriber Profile Repository

Correct Answer: B
Section: (none)
Explanation

Explanation/Reference: