

Juniper

JN0-213
Cloud Associate (JNCIA-Cloud)

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Question: 1

Which virtualization technique is used by containers?

- A. OS-level virtualization
- B. full virtualization
- C. hardware-assisted virtualization
- D. paravirtualization

Answer: A

Explanation:

This technique allows multiple isolated user-space instances to be created by the host operating system. Unlike full virtualization, where the entire system's hardware is emulated, OS-level virtualization shares the host's operating system kernel but isolates the application processes¹².

Question: 2

Which two statements are true regarding isolated namespaces in Juniper Cloud-Native Contrail Networking (CN2)? (Choose two.)

- A. Pods in isolated namespaces can only communicate with pods in the same namespace.
- B. Pods in isolated namespaces can reach services in non-isolated namespaces.
- C. Pods in isolated namespaces can only reach services in the same namespace.
- D. Pods in isolated namespaces can communicate with pods in non-isolated namespaces.

Answer: A, C

Explanation:

In Juniper Cloud-Native Contrail Networking (CN2), isolated namespaces are used to isolate a pod from other pods without explicitly configuring a network policy³. Pods in an isolated namespace can only communicate with pods in the same namespace³. They cannot reach pods or services in other isolated or non-isolated namespaces³.

Question: 3

You must provide tunneling in the overlay that supports multipath capabilities. Which two protocols provide this function? (Choose two.)

- A. MPLSoUDP
- B. VPN
- C. VXLAN
- D. MPLSoGRE

Answer: A, C

Explanation:

MPLSoUDP (Multiprotocol Label Switching over User Datagram Protocol) and VXLAN (Virtual Extensible LAN) are two protocols that provide tunneling in the overlay and support multipath capabilities⁴⁵. MPLSoUDP is an encapsulation protocol that allows MPLS packets to be encapsulated in UDP packets. VXLAN is a network virtualization technology that attempts to address the scalability problems associated with large cloud computing deployments

Question: 4

You want to limit the memory, CPU, and network utilization of a set of processes running on a Linux host.

Which Linux feature would you configure in this scenario?

- A. network namespaces
- B. slicing
- C. virtual routing and forwarding instances
- D. control groups

Answer: D

Explanation:

Control groups (cgroups) is a Linux kernel feature that limits, accounts for, and isolates the CPU, memory, disk I/O, and network usage of one or more processes⁶⁷⁸. It allows you to allocate resources among user-defined groups of processes running on a system. You can monitor the groups of processes, deny the groups of processes access to certain resources, or even freeze groups of processes

Question: 5

Which component of Kubernetes runs on all nodes and ensures that the containers are running in a pod?

- A. kube-proxy
- B. kubelet
- C. container runtime
- D. kube controller

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| Answer: B |
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Explanation:

The kubelet is a component of Kubernetes that runs on all nodes in the cluster and ensures that containers are running in a pod⁹¹⁰. It takes a set of PodSpecs that are provided through various mechanisms and ensures that the containers described in those PodSpecs are running and healthy

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