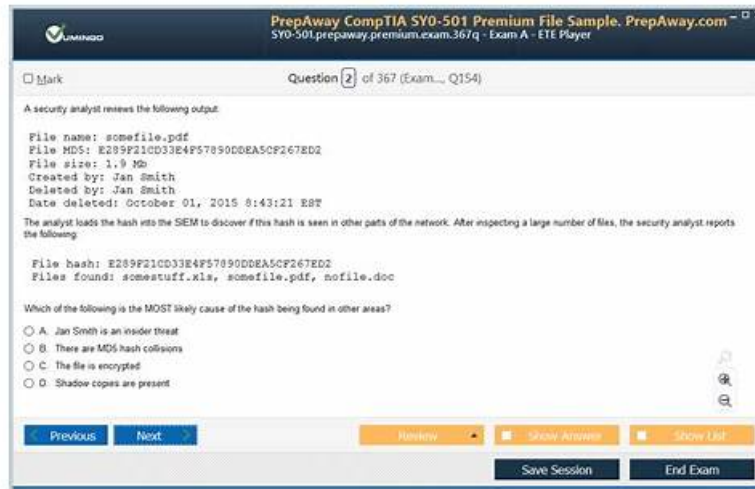


Juniper JN0-214 Questions Latest JN0-214 Dumps PDF [2025]



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Juniper JN0-214 Exam Syllabus Topics:

Topic	Details
Topic 1	<ul style="list-style-type: none"> Cloud Orchestration with OpenShift: This section of the exam measures the skills of DevOps Engineers and focuses on OpenShift-based orchestration. Candidates must understand how to create, manage, and monitor workloads using OpenShift, as well as navigate the OpenShift CLI and WebUI. The exam also tests knowledge of node types and different network configurations. One skill assessed is managing OpenShift workloads in a production environment.
Topic 2	<ul style="list-style-type: none"> Linux Containers: This section of the exam measures the skills of Containerization Specialists and covers the concepts of Linux containers. Candidates must understand the differences between virtual machines and containers, as well as container components. The exam tests the ability to create and manage containers using Docker. One key skill assessed is deploying and managing containers efficiently.
Topic 3	<ul style="list-style-type: none"> Network Virtualization: This section of the exam measures the skills of Cloud Network Architects and evaluates the principles of network virtualization. Candidates must understand different types of virtual networks, as well as underlay and overlay network configurations. The exam also covers encapsulation and tunneling technologies such as MPLS over GRE, VXLAN, and GENEVE. One skill assessed is the ability to differentiate between underlay and overlay networks in cloud environments.
Topic 4	<ul style="list-style-type: none"> Software-Defined Networking: This section of the exam measures the skills of Network Automation Engineers and focuses on SDN concepts, including its architecture, controllers, and solutions. Candidates must understand how SDN separates the control plane from the data plane to improve network agility and automation. The exam also evaluates knowledge of SDN's role in modern cloud environments. One key skill assessed is identifying SDN components and their functions.

Topic 5	<ul style="list-style-type: none"> • Network Functions Virtualization: This section of the exam measures the skills of Virtualization Specialists and covers the core principles of NFV. Candidates will be tested on NFV architecture, orchestration, and Virtual Network Functions (VNFs), which are crucial for creating scalable and flexible network infrastructures. Understanding NFV helps optimize network performance and reduce dependency on hardware-based solutions. One skill assessed is the ability to explain NFV's role in modern network management.
Topic 6	<ul style="list-style-type: none"> • Cloud Orchestration with OpenStack: This section of the exam measures the skills of Cloud Operations Engineers and evaluates expertise in OpenStack-based orchestration. Candidates must understand how to create and manage virtual machines in OpenStack, use HEAT templates for automation, and navigate OpenStack interfaces. The exam also covers OpenStack networking plugins and security groups. One skill assessed is automating cloud deployments using HEAT templates.
Topic 7	<ul style="list-style-type: none"> • Cloud Fundamentals: This section of the exam measures the skills of Cloud Infrastructure Engineers and covers the fundamental concepts of cloud networking. Candidates must understand different deployment models such as public, private, and hybrid cloud, as well as service models such as SaaS, IaaS, and PaaS. The exam also tests knowledge of cloud-native architectures, automation tools, and infrastructure technologies, including Network Functions Virtualization (NFV) and Software-Defined Networking (SDN). One key skill assessed is identifying appropriate cloud deployment models for different business needs.

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JN0-214 Question Explanations & Updated JN0-214 CBT

CertkingdomPDF is one of the leading platforms that has been helping Cloud, Associate (JNCIA-Cloud) (JN0-214) exam candidates for many years. Over this long time period we have helped Cloud, Associate (JNCIA-Cloud) (JN0-214) exam candidates in their preparation. They got help from CertkingdomPDF Juniper JN0-214 Practice Questions and easily got success in the final Juniper JN0-214 certification exam. You can also trust Juniper JN0-214 exam dumps and start preparation with complete peace of mind and satisfaction.

Juniper Cloud, Associate (JNCIA-Cloud) Sample Questions (Q41-Q46):

NEW QUESTION # 41

Which Docker component builds, runs, and distributes Docker containers?

- A. docker registry
- B. docker cli
- C. containerd
- **D. dockerd**

Answer: D

Explanation:

The Docker component that builds, runs, and distributes Docker containers is dockerd. Dockerd is the persistent process that manages containers. Docker uses different binaries for different tasks. For example, it uses the docker binary for CLI commands and dockerd for the daemon process.

NEW QUESTION # 42

Which two statements are correct about an overlay network? (Choose two.)

- **A. The overlay network is built using encapsulation tunnels.**
- B. The overlay network can only be built using a Layer 3 underlay network.
- **C. The overlay network is the virtual network used to connect multiple virtual machines (VMs).**
- D. The overlay network provides physical connectivity between devices.

Answer: A,C

Explanation:

An overlay network is a virtual network that is built on top of another network. Nodes in the overlay network are connected by virtual or logical links, each of which corresponds to a path, perhaps through many physical links, in the underlying network. For example, distributed systems such as peer-to-peer networks and client-server applications often overlay their own network connections over the physical network connections provided by the Internet.

NEW QUESTION # 43

What are the two characteristics of the Network Functions Virtualization (NFV) framework? (Choose two.)

- A. It decouples the network software from the hardware.
- B. It implements virtualized network functions
- C. It decouples the network control plane from the forwarding plane.
- D. It implements virtualized tunnel endpoints

Answer: A,B

Explanation:

Network Functions Virtualization (NFV) is a framework designed to virtualize network services traditionally run on proprietary hardware. NFV aims to reduce costs, improve scalability, and increase flexibility by decoupling network functions from dedicated hardware appliances. Let's analyze each statement:

A . It implements virtualized tunnel endpoints.

Incorrect: While NFV can support virtualized tunnel endpoints (e.g., VXLAN gateways), this is not a defining characteristic of the NFV framework. Tunneling protocols are typically associated with SDN or overlay networks rather than NFV itself.

B . It decouples the network software from the hardware.

Correct: One of the primary goals of NFV is to separate network functions (e.g., firewalls, load balancers, routers) from proprietary hardware. Instead, these functions are implemented as software running on standard servers or virtual machines.

C . It implements virtualized network functions.

Correct: NFV replaces traditional hardware-based network appliances with virtualized network functions (VNFs). Examples include virtual firewalls, virtual routers, and virtual load balancers. These VNFs run on commodity hardware and are managed through orchestration platforms.

D . It decouples the network control plane from the forwarding plane.

Incorrect: Decoupling the control plane from the forwarding plane is a characteristic of Software-Defined Networking (SDN), not NFV. While NFV and SDN are complementary technologies, they serve different purposes. NFV focuses on virtualizing network functions, while SDN focuses on programmable network control.

JNCIA Cloud Reference:

The JNCIA-Cloud certification covers NFV as part of its discussion on cloud architectures and virtualization. NFV is particularly relevant in modern cloud environments because it enables flexible and scalable deployment of network services without reliance on specialized hardware.

For example, Juniper Contrail integrates with NFV frameworks to deploy and manage VNFs, enabling service providers to deliver network services efficiently and cost-effectively.

Reference:

ETSI NFV Framework Documentation

Juniper JNCIA-Cloud Study Guide: Network Functions Virtualization

NEW QUESTION # 44

What is an OpenShift route?

- A. It allows pods to communicate across namespaces.
- B. It provisions endpoints for a service.
- C. It allows pods to communicate across clusters.
- D. It provisions external access to a service.

Answer: D

Explanation:

An OpenShift route is a way to provision external access to a service. A route exposes a service at a host name, such as `www.example.com`, that external clients can use to access the service. A route can also specify security options, such as TLS

termination, and load balancing options, such as round robin or least connection.

NEW QUESTION # 45

Which component is directly responsible for running containers in a Kubernetes node?

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

Answer: D

Explanation:

This question seems to be asking about a Kubernetes component that is responsible for running containers. Let's analyze each option:

A . kubelet

Incorrect: The kubelet is responsible for managing the state of pods and containers on a worker node. It ensures that containers are running as expected but does not directly execute or run the containers.

B . kube-proxy

Incorrect: The kube-proxy manages network communication for services and pods by implementing load balancing and routing rules. It does not handle the execution of containers.

C . container runtime

Correct: The container runtime (e.g., containerd, cri-o) is the component that actually runs and manages containers on a Kubernetes node. It interacts with the operating system to start, stop, and manage containerized applications.

D . kube controller

Incorrect: The kube controller is part of the control plane and ensures that the desired state of the cluster (e.g., number of replicas) is maintained. It does not directly run containers.

Why Container Runtime?

Execution of Containers: The container runtime is responsible for pulling container images, starting containers, and managing their lifecycle.

Integration with Kubernetes: Kubernetes communicates with the container runtime through the Container Runtime Interface (CRI).

JNCIA Cloud Reference:

The JNCIA-Cloud certification covers Kubernetes architecture, including the role of the container runtime. Understanding how containers are executed is essential for managing Kubernetes clusters.

For example, Juniper Contrail integrates with Kubernetes to provide networking and security for containerized workloads, relying on the container runtime to execute applications.

Reference:

Kubernetes Documentation: Container Runtimes

Juniper JNCIA-Cloud Study Guide: Kubernetes Architecture

NEW QUESTION # 46

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