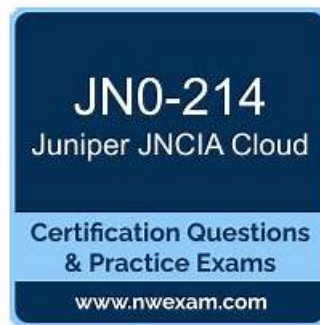


JN0-214 Latest Braindumps Files, New JN0-214 Exam Preparation



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Juniper JN0-214 Exam Syllabus Topics:

Topic	Details
Topic 1	<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 2	<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 3	<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.
Topic 4	<ul style="list-style-type: none"> • Cloud Virtualization: This section of the exam measures the skills of Linux System Administrators and covers Linux-based virtualization technologies. Candidates must understand Linux architecture, hypervisors (Type 1 & 2), and KVM • QEMU operations. The exam also includes creating virtual machines and managing Linux virtualization environments. One skill assessed is setting up and managing Linux-based virtual machines effectively.
Topic 5	<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.

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Juniper Cloud, Associate (JNCIA-Cloud) Sample Questions (Q50-Q55):

NEW QUESTION # 50

Which statement is correct about overlay or underlay networks or fabrics?

- **A. Overlay networks are virtual networks.**
- B. Underlay fabrics decouple network services from the overlay infrastructure.
- C. Overlay networks are Layer 3 networks that must use OSPF for routing purposes.
- D. Underlay fabrics enable multitenancy through virtualization.

Answer: A

Explanation:

Overlay networks are indeed virtual networks. They are logical constructs that stitch together disparate, dispersed network infrastructure, often referred to as underlay. Underlay networks refer to the physical network infrastructure, while overlay networks implement network virtualization concepts.

NEW QUESTION # 51

Click the Exhibit button.

```

apiVersion: v1
kind: Service
metadata:
  name: webappservice
spec:
  type: NodePort
  selector:
    app: webapp
  ports:
    - protocol: TCP
      port: 8080
      targetPort: 80
      nodePort: 30007

```

Referring to the exhibit, what does port: 8080 represent?

- A. It is the port that is exposed to clients that are external to the cluster.
- B. It is the port that is exposed to clients that are internal to the cluster.
- C. It is the port that is used by the external load balancer.
- D. It is the port on which the webapp pod is listening.

Answer: B

Explanation:

In the context of a Kubernetes service, port: 8080 represents the port that is exposed to clients that are internal to the cluster. This is the stable port the Service exposes inside the cluster -- other Pods in the cluster send traffic to this port.

NEW QUESTION # 52

Which two statements are correct about Kubernetes resources? (Choose two.)

- A. A ClusterIP type service can only be accessed within a Kubernetes cluster.
- B. A daemonSet ensures that a replica of a pod is running on all nodes.
- C. NodePort service exposes the service externally by using a cloud provider load balancer.
- D. A deploymentConfig is a Kubernetes resource.

Answer: A,B

Explanation:

A daemonSet in Kubernetes ensures that a replica of a pod is running on all nodes. A ClusterIP type service can only be accessed within a Kubernetes cluster.

NEW QUESTION # 53

Which two tools are used to deploy a Kubernetes environment for testing and development purposes? (Choose two.)

- A. kind
- B. oc

- C. OpenStack
- D. minikube

Answer: A,D

Explanation:

Kubernetes is a popular container orchestration platform used for deploying and managing containerized applications. Several tools are available for setting up Kubernetes environments for testing and development purposes. Let's analyze each option:

A . OpenStack

Incorrect: OpenStack is an open-source cloud computing platform used for managing infrastructure resources (e.g., compute, storage, networking). It is not specifically designed for deploying Kubernetes environments.

B . kind

Correct: kind (Kubernetes IN Docker) is a tool for running local Kubernetes clusters using Docker containers as nodes. It is lightweight and ideal for testing and development purposes.

C . oc

Incorrect: oc is the command-line interface (CLI) for OpenShift, a Kubernetes-based container platform. While OpenShift can be used to deploy Kubernetes environments, oc itself is not a tool for setting up standalone Kubernetes clusters.

D . minikube

Correct: minikube is a tool for running a single-node Kubernetes cluster locally on your machine. It is widely used for testing and development due to its simplicity and ease of setup.

Why These Tools?

kind: Ideal for simulating multi-node Kubernetes clusters in a lightweight environment.

minikube: Perfect for beginners and developers who need a simple, single-node Kubernetes cluster for experimentation.

JNCIA Cloud Reference:

The JNCIA-Cloud certification covers Kubernetes as part of its container orchestration curriculum. Tools like kind and minikube are essential for learning and experimenting with Kubernetes in local environments.

For example, Juniper Contrail integrates with Kubernetes to provide advanced networking and security features for containerized workloads. Proficiency with Kubernetes tools ensures effective operation and troubleshooting.

Reference:

Kubernetes Documentation: kind and minikube

Juniper JNCIA-Cloud Study Guide: Kubernetes

NEW QUESTION # 54

You have started a container in Docker, made configuration changes to it, and stopped the container. You notice the next time that you execute the docker run command, the changes have not persisted.

What is the problem?

- A. Docker images need to be recompiled to make any changes.
- B. The docker run command starts a new copy of the container, not the existing version.
- C. The docker load command must be used to persist the change.
- D. The docker exec command needs to be run first to save and exit the running container.

Answer: B

Explanation:

Docker containers are designed to be ephemeral, meaning they run based on their current configuration. When a Docker container is stopped, it does not automatically save changes made during its runtime. When you execute docker run, it starts a new instance of the container, not an existing version with its changes. If you want to persist changes between runs, you need to commit changes to a new Docker image or use Docker volumes for data persistence.

NEW QUESTION # 55

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