

Free PDF Quiz NCP-CN - Nutanix Certified Professional - Cloud Native v6.10 Updated Latest Test Practice



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Nutanix NCP-CN Exam Syllabus Topics:

Topic	Details
Topic 1	<ul style="list-style-type: none">• Conduct NKP Fleet Management: This section tests the abilities of platform administrators and cloud operations engineers in managing multiple clusters as a fleet. It focuses on configuring workspaces to organize clusters, deploying workload clusters within these workspaces, and attaching or detaching clusters as needed. Additionally, candidates must be able to configure projects for workload segmentation and manage platform applications that support the overall NKP environment.
Topic 2	<ul style="list-style-type: none">• Perform Day 2 Operations: This part assesses the expertise of site reliability engineers and cluster operators in ongoing cluster management tasks after deployment. It includes configuring authentication and authorization mechanisms, setting up logging systems, and implementing cluster backup and recovery procedures. Candidates also need to demonstrate skills in monitoring cluster performance and health, configuring autoscaling to handle workload changes, and performing lifecycle management functions such as upgrades and maintenance.
Topic 3	<ul style="list-style-type: none">• Prepare the Environment for an NKP Deployment: This section of the exam measures the skills of infrastructure engineers and cloud administrators and covers the initial setup tasks needed for NKP deployment. Candidates must demonstrate the ability to seed a private container registry, create a bootstrap Kubernetes cluster, and determine license tiers suitable for clusters. They also need to prepare a bastion host for secure access, build machine images or prepare nodes for deployment, and gather all necessary information to build a cluster on the target cloud or on-premises provider.

Topic 4	<ul style="list-style-type: none"> • Manage Building an NKP Cluster: This section evaluates the skills of Kubernetes administrators and platform engineers in customizing and deploying NKP clusters. Candidates must show proficiency in tailoring cluster configurations to meet specific requirements and deploying Kommander, the management platform, while applying the appropriate licenses to enable cluster features and management capabilities.
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Nutanix Certified Professional - Cloud Native v6.10 Sample Questions (Q18-Q23):

NEW QUESTION # 18

A Platform Engineer will be deploying an NKP cluster in a dark site with no Internet access. The Cloud Administrator has provided a Linux VM for this purpose, so the engineer needs to prepare this VM to be used as a bastion host. Which two actions should the engineer take to complete this task? (Choose two.)

- A. Get or create SSH Keys.
- B. Install Docker.
- C. Enable NTP Service.
- D. Install LDAP Server.

Answer: A,C

NEW QUESTION # 19

When deploying NKP using the Nutanix provisioning method (CAPX), what are the supported OS platforms?

- A. CentOS and Ubuntu
- B. Rocky Linux and Ubuntu
- C. CentOS and Rocky Linux
- D. Flatcar, Rocky Linux, and Ubuntu

Answer: B

NEW QUESTION # 20

A Platform Engineer is preparing to deploy a new NKP cluster on Nutanix infrastructure into an air-gapped environment. As part of the preparation process, the engineer is supplying a Ubuntu 22.04 instance to be used for NKP cluster nodes that conforms to the corporate OS image hardening standards. However, during the NIB preparation process, the error shown in the exhibit is received. What is the likely reason the NIB preparation attempt has failed?

- A. The engineer has not created the OS package bundle prior to the NIB-prep attempt.
- B. The engineer has supplied the inartifacts directory for the OS package bundle in the NIB-prep command.
- C. The engineer has not seeded the local registry with the required NKP images prior to the NIB-prep attempt.
- D. Ubuntu 22.04 is not a supported OS for NKP nodes on Nutanix infrastructure, therefore the necessary OS package bundle does not exist.

Answer: A

Explanation:

The error states:

lua

Copy

Could not find or access '/home/.../nkp-image-builder-.../playbooks/.../artifacts/1.29.6_ubuntu_22.04_x86_64.tar.gz'

This indicates that the OS package bundle (artifacts/1.29.6_ubuntu_22.04_x86_64.tar.gz) has not been created or is missing. Creating the OS package bundle is a prerequisite step in the NIB workflow.

Key Reference:

* Nutanix Kubernetes Platform Administration (NKPA) 6.10 - "Creating OS Package Bundles for NIB"

* NCP-CN 6.10 Study Guide - "NIB Preparation Prerequisites"

NEW QUESTION # 21

What is a prerequisite for upgrading an NKP license to Ultimate?

- A. Size the ETCD nodes appropriately to support the installation of default platform services.
- **B. Size the Control Plane nodes appropriately to support the installation of default platform services.**
- C. Size the Worker nodes appropriately to support the installation of default platform services.
- D. Size the Sidecar containers appropriately to support the installation of default platform services.

Answer: B

Explanation:

The NKPA course explains that upgrading an NKP license to the Ultimate tier unlocks advanced features such as fleet management, air-gapped deployments, and additional platform services (e.g., monitoring, logging, backup/restore). These services are deployed on the Management cluster and require sufficient resources to operate effectively. A key prerequisite is to size the Control Plane nodes appropriately to support the installation of default platform services (Option C).

The Control Plane nodes in the NKP Management cluster run critical components like the API server, controller manager, and Kommander, as well as platform services such as Prometheus, Grafana Loki, and Velero. The Ultimate license increases resource demands due to the expanded functionality, and undersized Control Plane nodes can lead to performance issues or failed deployments. The Nutanix Cloud Native (NCP- CN) 6.10 Study Guide states: "Before upgrading to an NKP Ultimate license, ensure the Control Plane nodes of the Management cluster are sized appropriately (e.g., sufficient CPU, memory, and storage) to support the additional default platform services enabled by the license." For example, Control Plane nodes might need to be scaled to at least 4 vCPUs and 16 GB RAM, depending on the workload.

Incorrect Options:

* A. Size the Sidecar containers appropriately: Sidecar containers are typically used for specific workloads (e.g., logging agents), not for platform services deployment, and are not a licensing prerequisite.

* B. Size the ETCD nodes appropriately: While etcd is part of the Control Plane, the course refers to the Control Plane nodes as a whole, not etcd specifically, as the sizing requirement.

* D. Size the Worker nodes appropriately: Worker nodes run user workloads, not the platform services, which are deployed on the Control Plane in the Management cluster.

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Nutanix Kubernetes Platform Administration (NKPA) Course, Section on Licensing Upgrades.

Nutanix Cloud Native (NCP-CN) 6.10 Study Guide, Chapter on Day 2 Operations.

Nutanix Cloud Bible, NutanixKubernetesPlatform Section: <https://www.nutanixbible.com>

NEW QUESTION # 22

A current Nutanix cluster is hosting an NKP cluster and a production Kubernetes cluster named production. Infrastructure administrators recently added three nodes with NVidia GPUs for a new AI initiative, and now a Platform Engineer has been asked to add three workers with the GPUs to the production Kubernetes cluster. Which first step should the engineer take to achieve this task?

- **A. Create a GPU-compatible OS Image with:**

```
textCollapseWrapCopynkp create image nutanix --gpu --gpu-name=${GPU_NAME} --cluster=${NUTANIX_CLUSTER_NAME} --endpoint=${NUTANIX_PC_ENDPOINT} --subnet=${NUTANIX_SUBNET} ubuntu-22.04
```
- B. Create a nodepool of workers with GPU:

```
textCollapseWrapCopynkp create nodepool nutanix -c $CLUSTER_NAME --vm-image $NAME_OF_GPU_OS_IMAGE_CREATED_BY_NKP_CLI -o yaml --subnets
```

