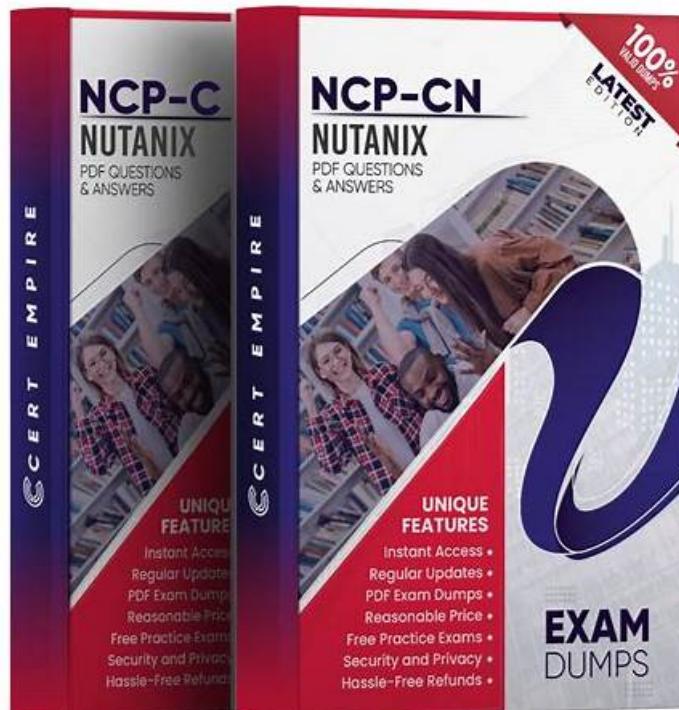


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## Nutanix NCP-CN Exam Syllabus Topics:

Topic	Details

Topic 1	<ul style="list-style-type: none"> <li>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.</li> </ul>
Topic 2	<ul style="list-style-type: none"> <li>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.</li> </ul>
Topic 3	<ul style="list-style-type: none"> <li>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.</li> </ul>
Topic 4	<ul style="list-style-type: none"> <li>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.</li> </ul>

## Nutanix Certified Professional - Cloud Native v6.10 Sample Questions (Q54-Q59):

### NEW QUESTION # 54

Recently, the reliability of some developer platforms has been impacted by out-of-memory errors, causing pods to crash and then remain in a pending state. A Cloud Engineer has been tasked with collecting and reviewing centralized metrics across the various platform environments to identify differences between them and better understand what is causing these performance issues. What should the engineer do to address this request?

- A. Utilize Fluentd and Fluent Bit to collect and present centralized metrics on NKP attached and managed clusters. Then configure Thanos Query to monitor and send out alerts based on the metric thresholds that have been configured within it.
- B. Utilize Prometheus to collect and present centralized metrics on NKP attached and managed clusters. Then configure Thanos Query to monitor and send out alerts based on the metric thresholds that have been configured within it.**
- C. Utilize Fluentd and Fluent Bit to collect and present centralized metrics on NKP attached and managed clusters. Then visualize these collected and centralized metrics in Grafana.
- D. Utilize Thanos to collect and present centralized metrics on NKP attached and managed clusters. Then visualize these collected and centralized metrics in Grafana.

**Answer: B**

### NEW QUESTION # 55

A development team is working on a new application that requires access to certain cluster resources. The team needs to ensure that they have limited permissions to avoid unauthorized changes in other environments. Among the tasks they will perform are the following:

Deploy new versions of the application to their specific namespace.

Scale deployments according to demand.

View logs and metrics of their applications to monitor performance. When using the NKP GUI, what type of access should the team configure?

- A. Cluster Role
- B. NKP Role**
- C. Kommander Role

- D. Cluster Admin

**Answer: B**

#### NEW QUESTION # 56

The bastion host is currently set up with Rocky Linux and the engineer will need to configure it to meet the requirements for the air-gapped cluster.

Which first step should the engineer take to configure the bastion host?

- A. Configure the bastion VM with a public IP address.
- B. Create a bootstrap cluster.
- C. Set up a connection on the bastion host so that it can pull images from Docker Hub.
- D. **Install the pre-requisites yum-utils, bzip2, and wget.**

**Answer: D**

#### NEW QUESTION # 57

A Platform Engineer is running a Kubernetes cluster version 1.28.1 on AWS that needs to be upgraded to version 1.29.9. This cluster was deployed with Nutanix NKP. Which two actions should the engineer take to complete this requirement? (Choose two.)

- A. Upgrade Workers with `nkp update nodepool aws ${NODEPOOL_NAME} --cluster-name=${CLUSTER_NAME} --kubernetes-version=v1.29.9`
- B. Upgrade the Cluster with `nkp update cluster aws --cluster-name=${CLUSTER_NAME} --ami AMI_ID --kubernetes-version=v1.29.9`
- C. **Upgrade Workers with `nkp upgrade nodepool aws ${NODEPOOL_NAME} --cluster-name=${CLUSTER_NAME} --kubernetes-version=v1.29.9`**
- D. Upgrade Control Planes with `nkp update controlplane aws --cluster-name=${CLUSTER_NAME} --ami AMI_ID --kubernetes-version=v1.29.9`

**Answer: C,D**

#### NEW QUESTION # 58

In which unit are NKP licenses able to be obtained?

- A. **CPU Cores**
- B. Flash
- C. TiBs
- D. CPU Sockets

**Answer: A**

#### NEW QUESTION # 59

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ExamDiscuss offers the complete package that includes all exam questions conforming to the syllabus for passing the Nutanix Certified Professional - Cloud Native v6.10 (NCP-CN) exam certificate in the first try. These formats of actual Nutanix NCP-CN Questions are specifically designed to make preparation easier for you.

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