



Vendor: Nutanix

Exam Code: NCP-CN-6.10

Exam Name: Nutanix Certified Professional - Cloud Native
v6.10

Version: DEMO

QUESTION 1

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 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.
- C. 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.
- 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: C

QUESTION 2

In which unit are NKP licenses able to be obtained?

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

Answer: D

QUESTION 3

An organization is setting up a new set of NKP clusters for R&D. The R&D director requires full admin access for the team on infrastructure dedicated to R&D. What is the proper method for the engineer to ensure these objectives are met?

- A. Create an 'R&D' NKP workspaceCreate an 'R&D' infrastructure provider in this workspaceCreate an 'R&D' NKP group for the R&D team members and assign admin-level roles withinDeploy the NKP clusters into the 'R&D' workspace
- B. Create an 'R&D' NKP connector and infrastructure providerCreate an 'R&D' NKP group and assign it admin-level rolesAssign the 'R&D' NKP group to the 'R&D' NKP connectorDeploy the NKP clusters into the 'R&D' workspace
- C. Create an 'R&D' NKP workspace and project within this workspaceCreate an NKP infrastructure provider in the 'R&D' NKP projectCreate an 'R&D' NKP group for the R&D team members and assign admin-level roles within this projectDeploy the NKP clusters into the 'R&D' workspace
- D. Create an 'R&D' NKP connector and infrastructure providerCreate an 'R&D' NKP group and assign it admin-level rolesAssign the 'R&D' NKP group to the 'R&D' NKP infrastructure providerDeploy the NKP clusters into the 'R&D' workspace

Answer: A

QUESTION 4

Using an NKP Ultimate license, a Platform Engineer has created a new workspace and needs to create a new Kubernetes cluster within this workspace. However, the engineer discovers that the Create Cluster option is grayed out, as shown in the exhibit. How should the engineer resolve this issue?

- A. Create the cluster only using YAML and not the GUI.
- B. Attach existing clusters instead of creating a new cluster.
- C. Create an Infrastructure provider for the workspace.
- D. Ensure NKP is upgraded to a minimum version of 2.12.

Answer: C

QUESTION 5

A company has different Kubernetes clusters for different business units. Every business unit has separate Kubernetes clusters for production and development because the software deployed in production is different than development. Now, all production clusters for all business units are standardized and all clusters for development are standardized as well. The company recently acquired NKP Ultimate licenses for all Kubernetes clusters. How can the company control the standard configuration for both environments in all clusters (production and development)?

- A. Configure a production workspace and a development workspace and attach each Kubernetes cluster to the corresponding workspace.
- B. Install Flux in every Kubernetes cluster and configure the appropriate kustomize.yaml in every Kubernetes cluster.
- C. Create new Kubernetes clusters for production and development with NKP for every business unit.
- D. Install Flux in every Kubernetes cluster with the appropriate kustomize.yaml, with `nkp install flux --kustomize=kustomize.yaml --kubeconfig=<cluster>.conf`

Answer: A

QUESTION 6

A Platform Engineer is looking to backup and restore persistent volumes and other cluster resources. Which two NKP licenses include backup and restore functionality? (Choose two.)

- A. NKP Starter
- B. NKP Essential
- C. NKP Ultimate
- D. NKP Pro

Answer: CD

QUESTION 7

In a telecom company, two teams were working on the development of two different applications:

ApplicationA
ApplicationB

ApplicationA's development team was excited about the release of their new functionality. However, upon deploying their application, they noticed that performance was slow. After investigating, they discovered that the ApplicationB team was consuming the majority of the

cluster's resources, affecting all other teams. How can this problem be mitigated?

- A. Implementing Quotas and Limit Ranges
- B. Setting up Network Policies
- C. Configuring RBAC
- D. Implementing Continuous Deployment (CD)

Answer: A

QUESTION 8

An infrastructure team has configured a Backup Storage Location on an existing AWS bucket and created a backup named testbackup. What command can the team use to view the backup?

- A. `kubectl get backupstoragelocations -n ${testbackup} -o yaml`
- B. `velero backup describe aws-velero-testbackup`
- C. `velero backup describe testbackup`
- D. `kubectl get backupstoragelocations -n ${WORKSPACE_NAMESPACE} -o yaml`

Answer: C

QUESTION 9

A corporate IT team provides Kubernetes clusters for three groups within the company:

Fin VD
Fin Insurance
Fin Travel

The IT group needs to federate policy for all Kubernetes clusters from a single pane of glass, but separate the Kubernetes clusters according to the group that uses them. How should the IT team license and configure their NKP environment to satisfy these requirements?

- A. NKP Ultimate for fleet management, creating three workspaces and assigning the corresponding Kubernetes cluster to each workspace.
- B. NKP Starter for Kubernetes management, creating Kubernetes clusters for every company.
- C. NKP Pro for project management, creating three projects and assigning the corresponding Kubernetes cluster to each project.
- D. NKP Pro for workspace management, creating three workspaces and assigning the corresponding Kubernetes cluster to each workspace.

Answer: A

QUESTION 10

A Platform Engineer is getting started with NKP and has created a bastion host with all needed prerequisites.
How should the engineer install Kommander?

- A. AWS CLI
- B. Terraform
- C. Ansible
- D. NKP CLI

Answer: D

QUESTION 11

A Platform Engineer is deploying a new NKP cluster that has internet connectivity. Now, a Cloud Administrator and Security Administrator are discussing the security of communications between the NKP Kubernetes cluster and the container registry. The engineer proposes to have an on-prem private registry.

What is the most significant reason that the engineer should create a private registry instead of configuring a secure connection between the NKP cluster and Github (SaaS)?

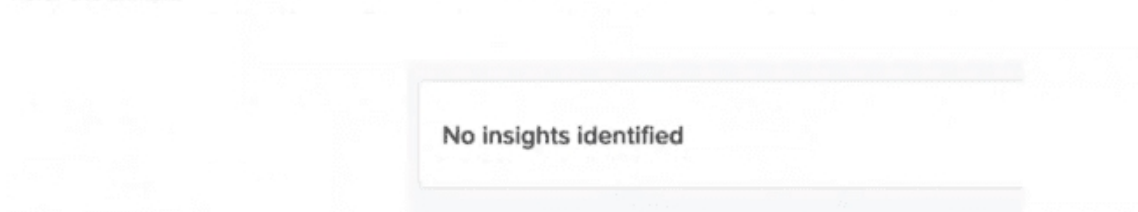
- A. Private registry license is included with NKP.
- B. NKP requires specific registry versions.
- C. NKP cannot connect to public clouds.
- D. Private registry provides security and privacy.

Answer: D

QUESTION 12

A Platform Engineer sees no insight in all workspaces, and it is a critical feature to control all the alerts on all company's Kubernetes clusters. What does the engineer need to do to begin generating NKP Insights?

Refer the exhibit.



- A. Acquire the NKP Insights Add-on license.
- B. Install nkp-insights in every Kubernetes cluster with `kubectl apply -f nkp-insights-1.2.2 -- kubeconfig=<cluster>.conf`
- C. Create a persistent volume claim and assign it to nkp-insights; this application requires volumes to save logs and data.
- D. Install nkp-insights with `nkp create appdeployment nkp-insights --app nkp- insights-1.2.2 -- workspace kommander-workspace`

Answer: C

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