

Cka Quiz

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What is the primary tool used for upgrading a Kubernetes cluster?

- ☒ A) kubeadm
- ☐ B) kubectl
- ☐ C) helm
- ☐ D) minikube

✗ Before upgrading a Kubernetes cluster, which command should you run to .../1
verify that the cluster is in a good state?

- ☐ Option 1A) kubectl get nodes
- ☒ B) kubeadm upgrade plan
- ☐ C) kubectl upgrade check
- ☐ D) kubeadm upgrade verify

✗

No correct answers



✗ What is the purpose of namespaces in Kubernetes?

.../1

- ☐ A) To isolate network traffic
- ☒ B) To separate environments within a single cluster
- ☐ C) To manage node labels
- ☐ D) To define storage classes

✗

No correct answers

✗ Which command lists all namespaces in the cluster?

.../1

- ☐ A) kubectl get all-namespaces
- ☒ B) kubectl get ns
- ☐ C) kubectl list namespaces
- ☐ D) kubectl get namespaces

✗

No correct answers

✗ What is a service account used for in Kubernetes?

.../1

- ☐ A) For managing user access to the cluster
- ☒ B) For allowing Pods to interact with the Kubernetes API
- ☐ C) For storing persistent data
- ☐ D) For defining network policies

✗

No correct answers



✗ Which command creates a new service account?

.../1

- ☒ A) kubectl create sa my-service-account
- ☐ B) kubectl create serviceaccount my-service-account
- ☐ C) kubectl create svcaccount my-service-account
- ☐ D) kubectl create serviceaccount my-sa

✗

No correct answers

✗ Which field in a Pod specification defines the image to be used by the container?

.../1

- ☐ A) containerImage
- ☒ B) image
- ☐ C) podImage
- ☐ D) containerName

✗

No correct answers

✗ How do you delete a Pod named my-pod in the default namespace?

.../1

- ☒ A) kubectl delete pod my-pod
- ☐ B) kubectl remove pod my-pod
- ☐ C) kubectl delete my-pod
- ☐ D) kubectl remove my-pod

✗

No correct answers



✗ Which command lists all nodes in the Kubernetes cluster?

.../1

- ☒ A) kubectl get pods
- ☐ B) kubectl list nodes
- ☐ C) kubectl get nodes
- ☐ D) kubectl nodes

✗

No correct answers

✗ What is the role of a master node in a Kubernetes cluster?

.../1

- ☐ A) To run application containers
- ☒ B) To manage and control the cluster
- ☐ C) To provide persistent storage
- ☐ D) To balance network traffic

✗

No correct answers

✗ What is the main purpose of a Kubernetes Service?

.../1

- ☐ A) To manage node labels
- ☒ B) To expose a set of Pods as a network service
- ☐ C) To store configuration data
- ☐ D) To schedule Pods on nodes

✗

No correct answers



✗ Which type of service exposes a Kubernetes Service to the external world?

.../1

- ☐ A) ClusterIP
- ☐ B) NodePort
- ☒ C) LoadBalancer
- ☐ D) ExternalName

✗

No correct answers

✗ What is the purpose of a RoleBinding in Kubernetes?

.../1

- ☐ A) To bind a Role to a namespace
- ☒ B) To bind a Role to a service account or user
- ☐ C) To define node affinity
- ☐ D) To configure network policies

✗

No correct answers

✗ Which command creates a RoleBinding?

.../1

- ☐ A) `kubectl create rolebinding my-rolebinding`
- ☐ B) `kubectl apply rolebinding my-rolebinding`
- ☒ C) `kubectl create rolebinding my-rolebinding --role=my-role --serviceaccount=my-sa`
- ☐ D) `kubectl create rolebinding my-rolebinding --role=my-role --serviceaccount=default`

✗

No correct answers



✗ What is the purpose of nodeSelector in a Pod spec?

.../1

- ☒ A) To select specific nodes for Pod scheduling based on labels
- ☐ B) To define Pod security policies
- ☐ C) To manage container images
- ☐ D) To expose Pods via a network service

✗

No correct answers

✗ What is the purpose of a context in kubectl configuration?

.../1

- ☐ A) To define network policies
- ☒ B) To specify which cluster and user to use for kubectl commands
- ☐ C) To manage storage classes
- ☐ D) To define Pod templates

✗

No correct answers

✗ Which command lists all Persistent Volumes in the cluster?

.../1

- ☒ A) kubectl get pv
- ☐ B) kubectl get pvc
- ☐ C) kubectl list pv
- ☐ D) kubectl describe pv

✗

No correct answers

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