

Course Assessment Test



Course Title	Kubernetes in Depth	Date	Dec 2025
Name		Dept	

- 1) This assessment test is to be given out before course commencement. Answers are to be filled in column entitled "Pre-Course Answer".
- 2) At the end of the course, the same assessment sheet is to be given out where answers are to be filled in column entitled "Post-Course Answer". Instructor will then share the answers and participants need to total the score in both "Pre" and "Post" columns through self-marking.
- 3) Assessment sheets will be collected for filling.

No	Question	Pre-Course Answer	Post-Course Answer
1	Which of the following is the primary control plane component in Kubernetes? a) kube-control b) kube-proxy c) etcd d) kube-apiserver		D
2	Which statement best characterizes a Kubernetes pod? a) A specific node that has replicated containers b) A group of containers that share the same network namespace and storage c) A group of services that exposes multiple deployments d) A configuration file for managing Kubernetes clusters		B
3	Which Kubernetes object is used to define and manage desired state of a containerized application? a) Node b) Deployment c) ConfigMap d) ReplicaSet		B

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4	Which of the following volume types is used for persistent storage across Pod restarts? a) networkDir b) PersistentStorageDir c) PersistentVolumeClaim d) ConfigMap		C
5	What is the role of a PersistentVolume (PV) in Kubernetes? a) It is a dynamically provisioned storage request. b) It represents a piece of storage in the cluster, either provisioned manually or dynamically. c) It is an ephemeral volume for short-lived tasks. d) It is a configuration file for Pod storage		B
6	Which of the following volume types is suitable for temporary storage, automatically cleared when the Pod is deleted? a) emptyDir b) tempDir c) closedDir d) transientDir		A
7	What is the primary purpose of a Kubernetes Service? a) To manage DNS within the cluster b) To provide networking between Pods in a Deployment c) To expose an application to other applications or the internet d) To schedule Pods on Nodes		C
8	What is a Kubernetes NetworkPolicy used for?		B

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	<ul style="list-style-type: none">a) To restrict access to certain Nodesb) To define how Pods communicate with each other and external resourcesc) To configure the cluster's load balancerd) To enforce authentication policies for Pods		
9	<p>What is the primary role of the <code>eksctl</code> command-line tool?</p> <ul style="list-style-type: none">a) To create, manage, and scale EKS clustersb) To troubleshoot Kubernetes EKS clusters that cannot be managed via UIc) To configure Kubernetes NetworkPolicies on EKSd) To provision PersistentVolumes on AWS		A
10	<p>When deploying an EKS cluster, which AWS service is primarily used to manage Kubernetes worker nodes?</p> <ul style="list-style-type: none">a) AWS Serverless Nodesb) Amazon EC2c) AWS CloudFormation Masterd) AWS Lambda Nodes		B
Total			