Kubernetes

Total points   7/10

The respondent's email (**haffiz.hissham@gmail.com**) was recorded on submission of this form.

✓ **What is Kubernetes?**   1/1

○ A continuous integration tool

○ A video game

◉ A container orchestration platform   ✓

○ A web server

✓ **Which of the following is a fundamental building block of Kubernetes?**   1/1

◉ Pod   ✓

○ Docker

○ Virtual Machine

○ Blockchain

✓ **What does a Kubernetes Node represent in a cluster?**   1/1

○ A network configuration

◉ A physical or virtual machine   ✓

○ A storage component

○ A firewall setting

✕   **Which Kubernetes component is responsible for distributing traffic among** 0/1
containers?

◉ Kube-API   ✕

◯ Kube-Proxy

◯ Kubelet

◯ ETCD

Correct answer

◉ Kube-Proxy

✓   **What command is used to get information about all the pods in a**   1/1
Kubernetes cluster?

◯ kubectl get all

◉ kubectl get pods   ✓

◯ kubectl pods all

◯ kubectl info pods

✕ **Which type of service in Kubernetes exposes a service outside of the cluster?**   0/1

○ ClusterIP

⦿ NodePort   ✕

○ ExternalName

○ LoadBalancer

Correct answer

⦿ LoadBalancer

✓ **What is the role of 'etcd' in a Kubernetes environment?**   1/1

⦿ It stores the state of the Kubernetes cluster   ✓

○ It balances the load across nodes

○ It manages the network traffic

○ It monitors the containers

✓ **Which Kubernetes object can automatically scale out pods based on usage?**   1/1

⦿ Horizontal Pod Autoscaler   ✓

○ Vertical Pod Autoscaler

○ Deployment

○ StatefulSet

✕   **What is the purpose of a Namespace in Kubernetes?**   0/1

○   To isolate cluster resources between multiple users

○   To increase the number of pods in a cluster

⦿   To store configuration information   ✕

○   To provide extra security

Correct answer

⦿   To isolate cluster resources between multiple users

✓   **What does YAML stand for, and why is it important in Kubernetes?**   1/1

⦿   Yet Another Markup Language; it's used for database management   ✓

○   YAML Ain't Markup Language; it's used to define Kubernetes resources

○   Young And Modern Language; it's used for coding Kubernetes itself

○   Yes, Another Mail Language; it's used for internal Kubernetes communications

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