KCNA Q&As

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QUESTION 1

Which of the following computing model doesn\\'t require you to provision infrastructure?

A. None of the above

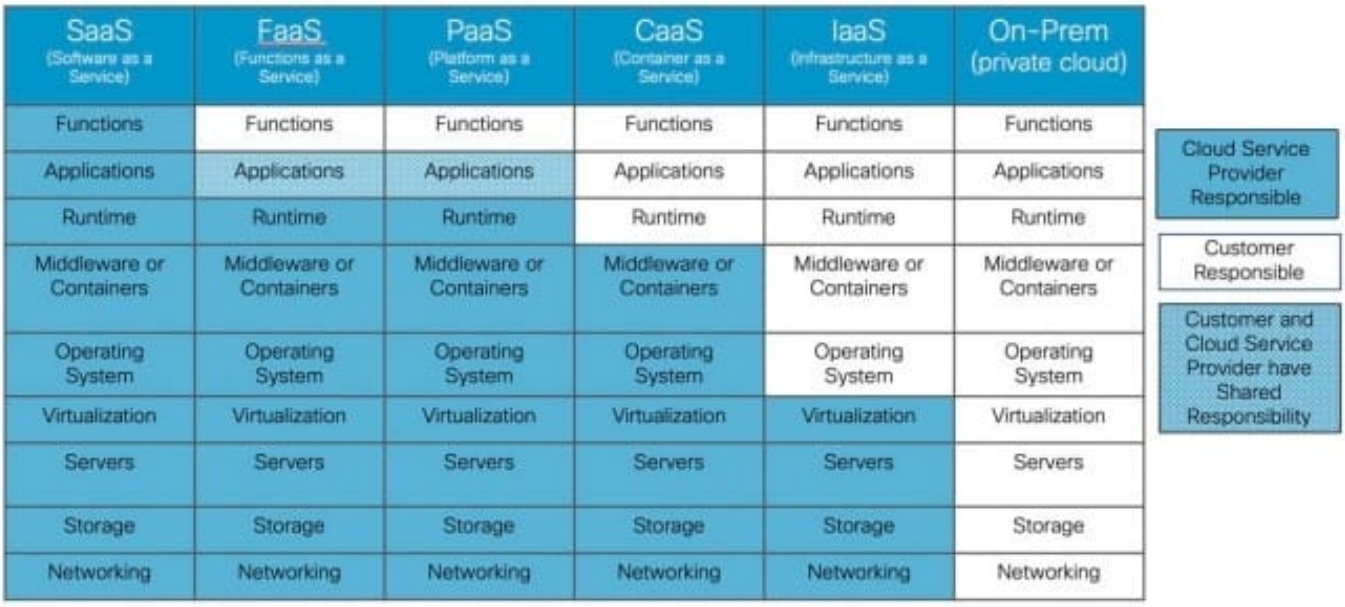
B. Bare Metal

C. Compute Engine

D. Virtual Machines

E. Serverless

Correct Answer: E



QUESTION 2

An application that is nearing its usage limit. To increase the amount of users it can handle, you allo-cate additional memory resources to each instance of the application. What type of scaling is this?

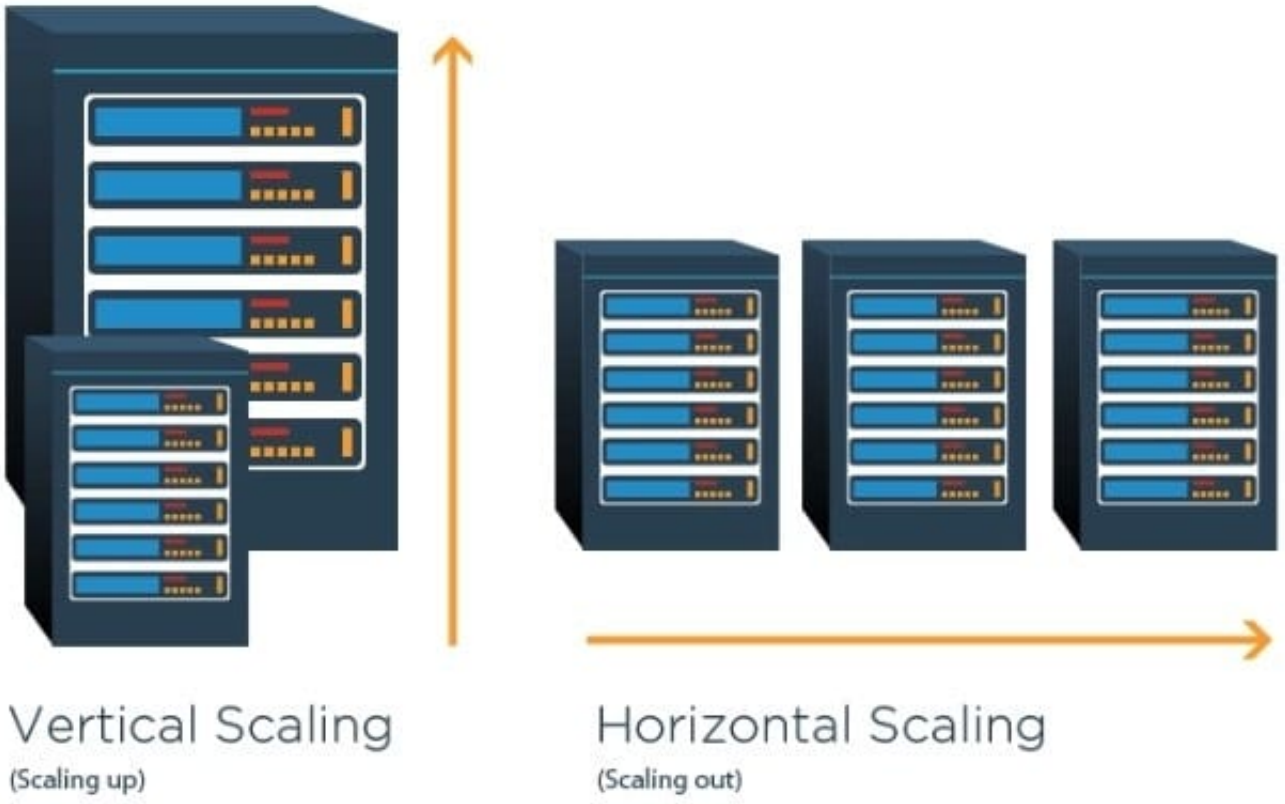
A. Horizontal Scaling

B. Cluster Autoscaling

C. Recursive Scaling

D. Vertical Scaling

Correct Answer: D



QUESTION 3

The 4C\\'s of Cloud Native security

A. Chroot, Compute, Cluster and Container

B. Cluster, Cloud, Compute, and Containers

C. Code, Containers, Compute, and Cloud

D. Cloud, Clusters, Containers, and Code

Correct Answer: D

Explanation: https://kubernetes.io/docs/concepts/security/overview/

QUESTION 4

What kind of limitation cgroups allows?

A. Prioritization

B. Resource limiting

C. Accounting

D. None of the options

E. Control

F. Server cpu and memory

Correct Answer: ABCE

QUESTION 5

Which kubernetes resource type allows defining which pods are isolated when it comes to network-ing?

A. Network policy

B. Domain Name System \\'DNS\\'

C. Role Binding

D. Service

Correct Answer: A

Explanation: https://kubernetes.io/docs/concepts/services-networking/network- policies/#the-two-sorts-ofpod-isolation

The Two Sorts of Pod Isolation

There are two sorts of isolation for a pod: isolation for egress, and isolation for ingress. They concern what connections may be established. "Isolation" here is not absolute, rather it means "some restrictions apply". The alternative, "non-isolated for $direction", means that no restrictions apply in the stated direction. The two sorts of isolation (or not) are declared independently, and are both relevant for a connection from one pod to another.

By default, a pod is non-isolated for egress; all outbound connections are allowed. A pod is isolated for egress if there is any NetworkPolicy that both selects the pod and has "Egress" in its `policyTypes`; we say that such a policy applies to the pod for egress. When a pod is isolated for egress, the only allowed connections from the pod are those allowed by the `egress` list of some NetworkPolicy that applies to the pod for egress. The effects of those `egress` lists combine additively.

By default, a pod is non-isolated for ingress; all inbound connections are allowed. A pod is isolated for ingress if there is any NetworkPolicy that both selects the pod and has "Ingress" in its `policyTypes`; we say that such a policy applies to the pod for ingress. When a pod is isolated for ingress, the only allowed connections into the pod are those from the pod's node and those allowed by the `ingress` list of some NetworkPolicy that applies to the pod for ingress. The effects of those `ingress` lists combine additively.