KCNA^{Q&As}

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KCNA Q&As

Kubernetes and Cloud Native Associate (KCNA)

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QUESTION 1

Which of the following best describes a cloud-native app?

A. An application where all logic is coded into a single large binary.

B. An application that publishes an HTTPS web front-end.

C. An application that takes advantages of cloud computing fromworks and their loosely coupled cloud services.

D. An application that leverages services that are native to public cloud platforms such as Azure, GCP, and/or AWS.

Correct Answer: C

Explanation: Cloud-native apps leverage cloud computing frameworks and tend to be microservices based, where individual components of the app are coded as individual.

QUESTION 2

What is the functionality of the daemon set?

A. To run a copy of the pod in all the nodes of the cluster

B. To initialize the pod before starting the main pod

C. To run a copy of the pod in a single node of the cluster

Correct Answer: A

Explanation: https://kubernetes.io/docs/concepts/workloads/controllers/daemonset/

DaemonSet

A *DaemonSet* ensures that all (or some) Nodes run a copy of a Pod. As nodes are added to the cluster, Pods are added to them. As nodes are removed from the cluster, those Pods are garbage collected. Deleting a DaemonSet will clean up the Pods it created.

Some typical uses of a DaemonSet are:

- running a cluster storage daemon on every node
- running a logs collection daemon on every node
- running a node monitoring daemon on every node

QUESTION 3

Open Container Initiative set container standards for

A. Code, Build, Distribute, Deploy containers

B. Run, build, and image

C. Code, Build, Distribute containers

D. Run, Build, Distribute containers

Correct Answer: D

QUESTION 4

Which of the following are not the metrics for Site Reliability Engineering?

A. Service Level Objectives \\'SLO\\'

B. Service Level Agreements \\'SLA\\'

C. Service Level Indicators \\'SLI\\'

D. Service Level Definition \\'SLD\\'

Correct Answer: D

SLI defined quantitative measure of some aspect of the level of service that is provided. SLOs are key to

making data-driven decisions about reliability, they\\'re at the core of SRE practic-es.

SLAs an explicit or implicit contract with your users that includes consequences of meeting (or missing) the

SLOs they contain.

QUESTION 5

What is OPA?

A. Open Permission Agent

B. Online Policy Audit

C. Open Policy Agent

D. Offline Policy Accessor

Correct Answer: C

Explanation: https://www.cncf.io/projects/open-policy-agent-opa/

PROJECTS

Open Policy Agent (OPA)

An open source, general-purpose policy engine.

Open Policy Agent (OPA) was accepted to CNCF on **March 29, 2018** and is at the **Graduated** project maturity level.

Open Policy Agent

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