KCNA Q&As

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QUESTION 1

Which of the following command is used to get detailed information about the pod?

A. kubectl info

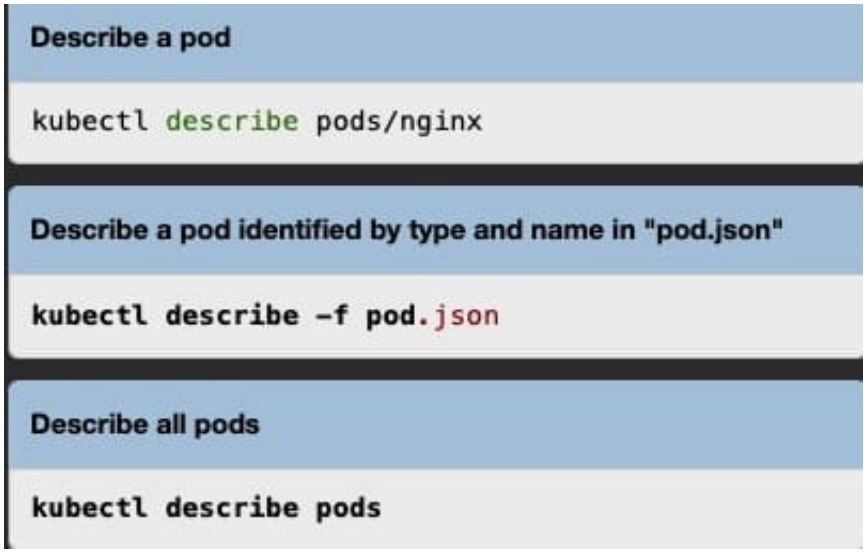
B. kubectl get

C. kubectl describe

D. kubectl explain

Correct Answer: C

Explanation: https://kubernetes.io/docs/reference/generated/kubectl/kubectl- commands#describe



QUESTION 2

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.

QUESTION 3

What is OPA?

A. Open Permission Agent

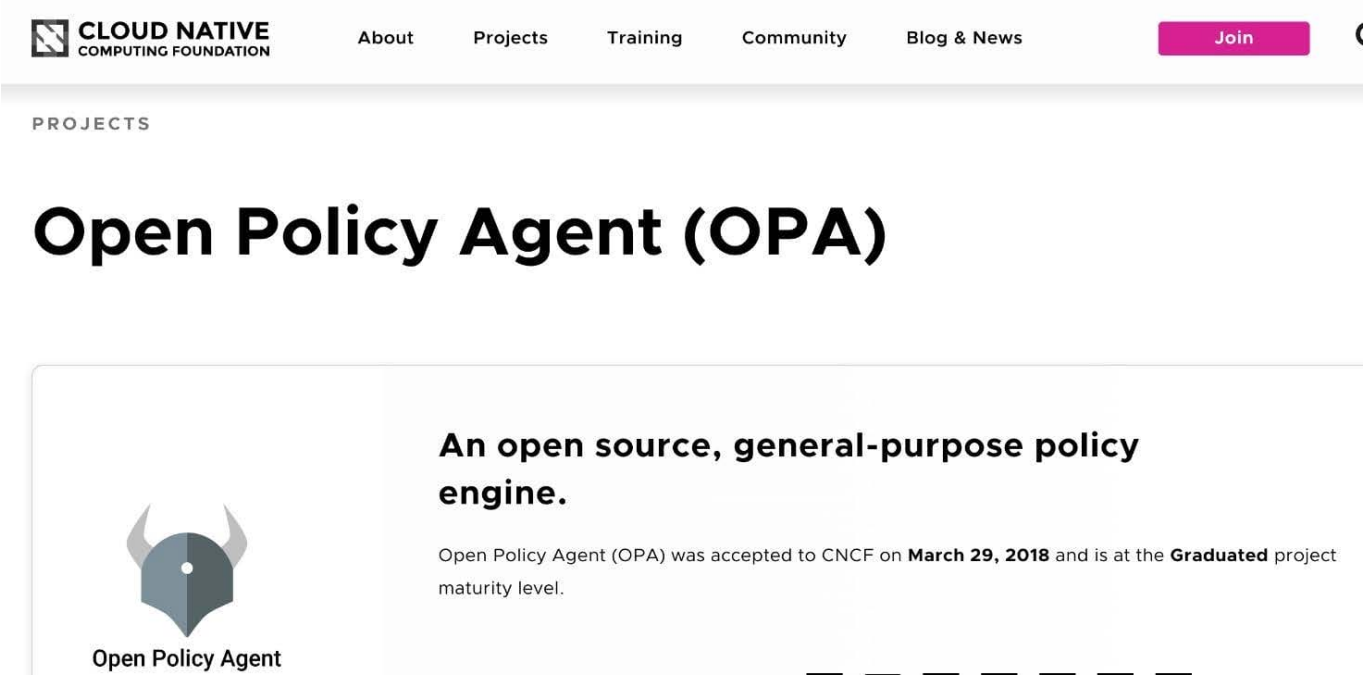
B. Online Policy Audit

C. Open Policy Agent

D. Offline Policy Accessor

Correct Answer: C

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



QUESTION 4

To specify a Kubernetes object which language is used?

A. JSON

B. Go

C. YAML

D. Node

E. Python

Correct Answer: C

Explanation: https://kubernetes.io/docs/concepts/overview/working-with- objects/kubernetes-objects/

QUESTION 5

What can you use to add new resource types to your cluster?

A. start container

B. CustomResourceDefinitions

C. init container

D. Flux

E. CRI-O

Correct Answer: B

Explanation: https://kubernetes.io/docs/concepts/extend-kubernetes/api- extension/custom-resources/