KCNA Q&As

Kubernetes and Cloud Native Associate (KCNA)

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QUESTION 1

What is Open Container Initiative \\'OCI\\'?

A. A protocol for communicating with the kubernetes api

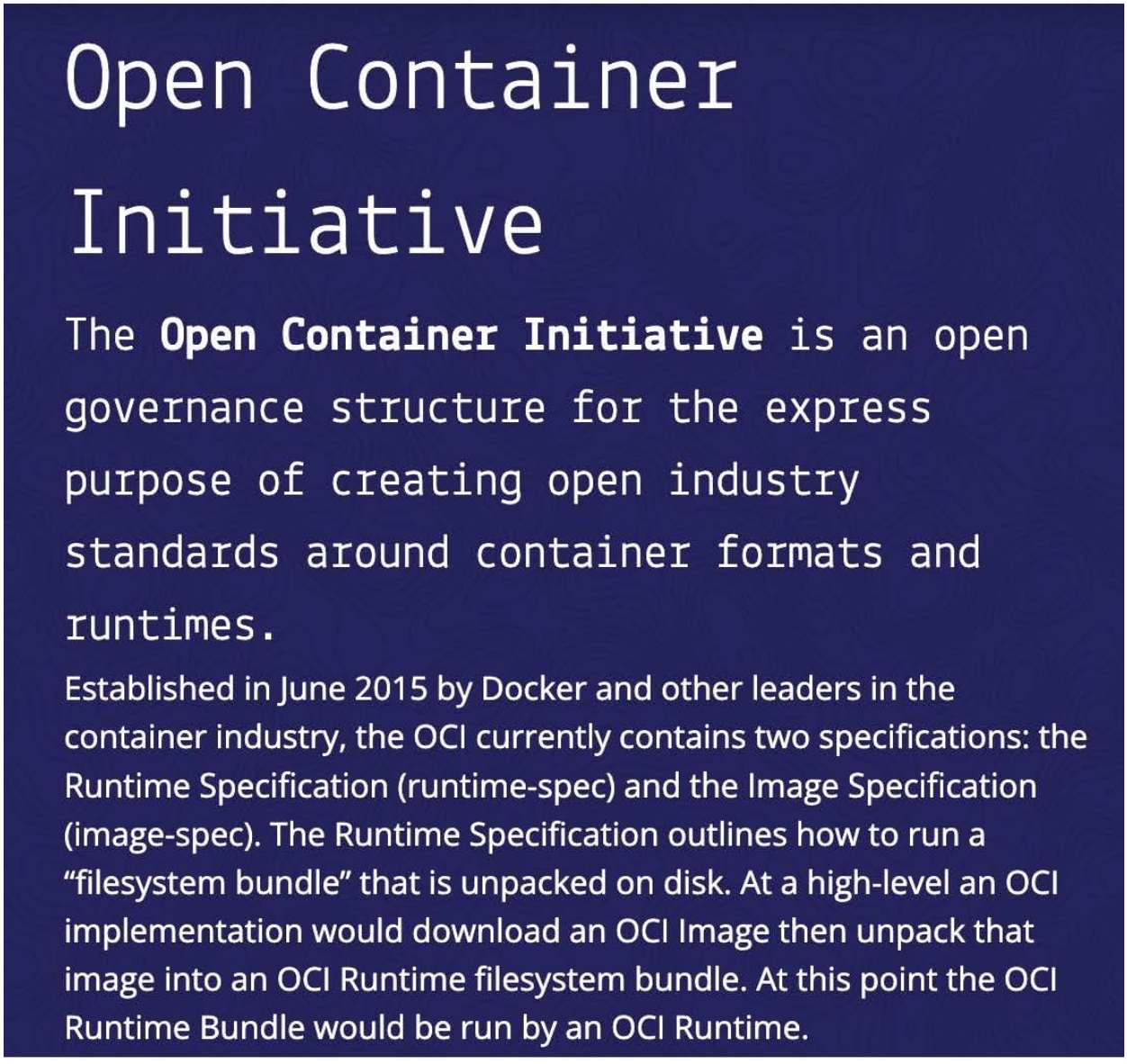
B. The governing body of the Cloud Native Computing Foundation \\'CNCF\\'

C. An open standard for managing service mesh in kubernetes

D. An organization that creates open standards for containers

Correct Answer: D

Explanation: https://opencontainers.org/


Open Container Initiative
The Open Container Initiative is an open governance structure for the express purpose of creating open industry standards around container formats and runtimes.
Established in June 2015 by Docker and other leaders in the container industry, the OCI currently contains two specifications: the Runtime Specification (runtime-spec) and the Image Specification (image-spec). The Runtime Specification outlines how to run a "filesystem bundle" that is unpacked on disk. At a high-level an OCI implementation would download an OCI Image then unpack that image into an OCI Runtime filesystem bundle. At this point the OCI Runtime Bundle would be run by an OCI Runtime.

QUESTION 2

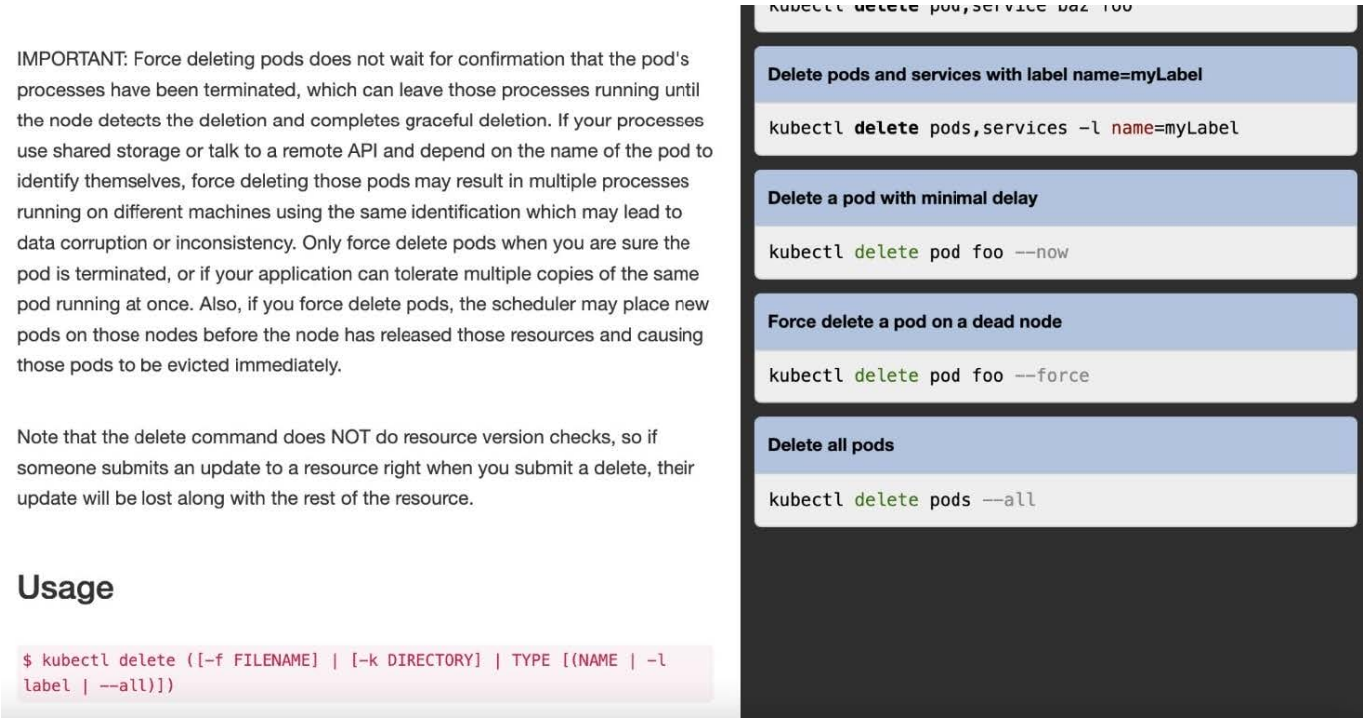
\\'kubectl delete -n my-ns po,svc --all\\' will delete pods and services including uninitialized ones in the namespace \\'my-ns\\'

A. FALSE

B. TRUE

Correct Answer: B

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



QUESTION 3

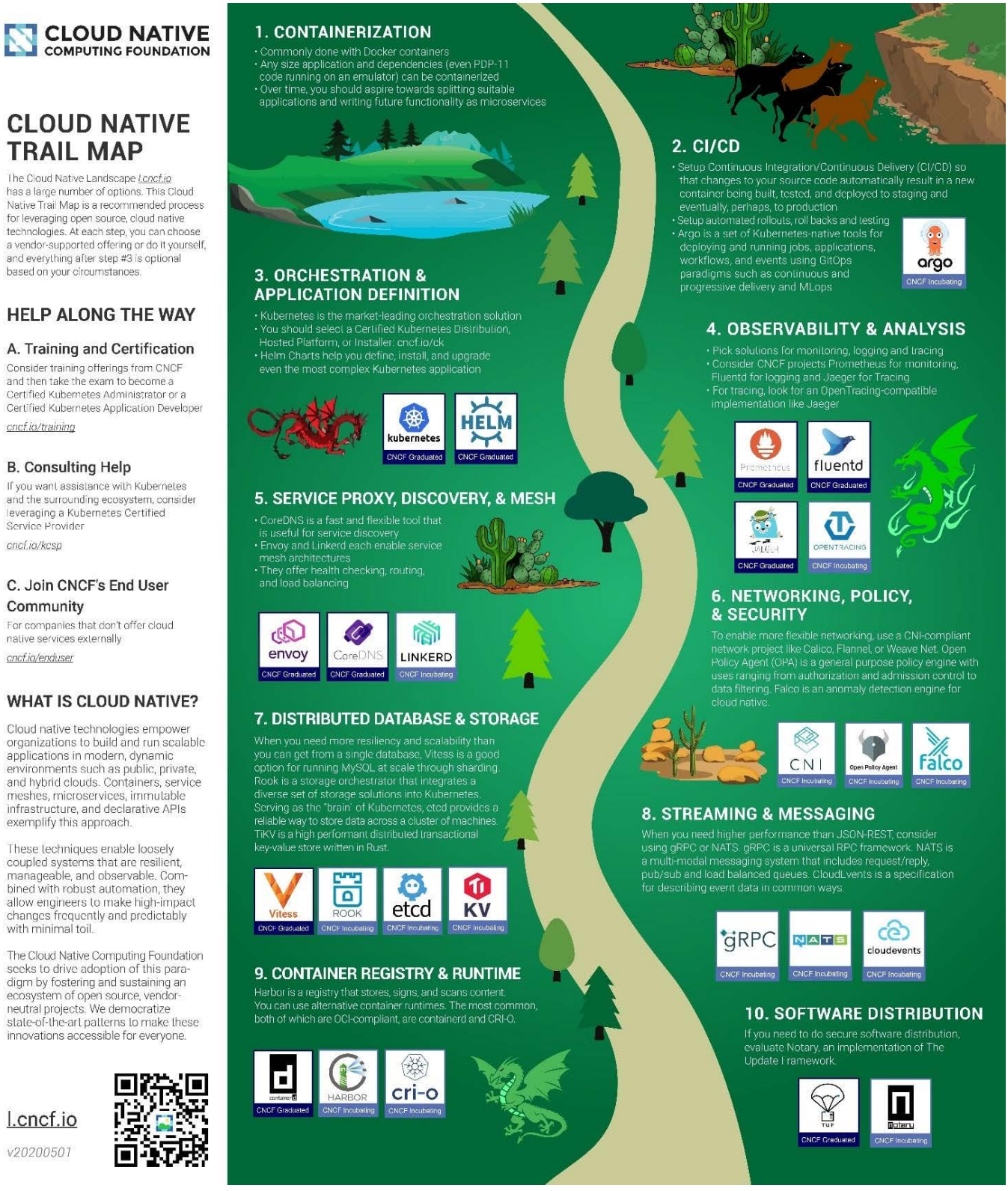
Fluentd is the leading project in the CNCF space for logging?

A. TRUE

B. FALSE

Correct Answer: A

Explanation: https://github.com/cncf/landscape#trail-map



QUESTION 4

What tool allows you to create self-managing, self-scaling, self-healing storage?

A. Persistent Volume

B. Persistent Volume Claim

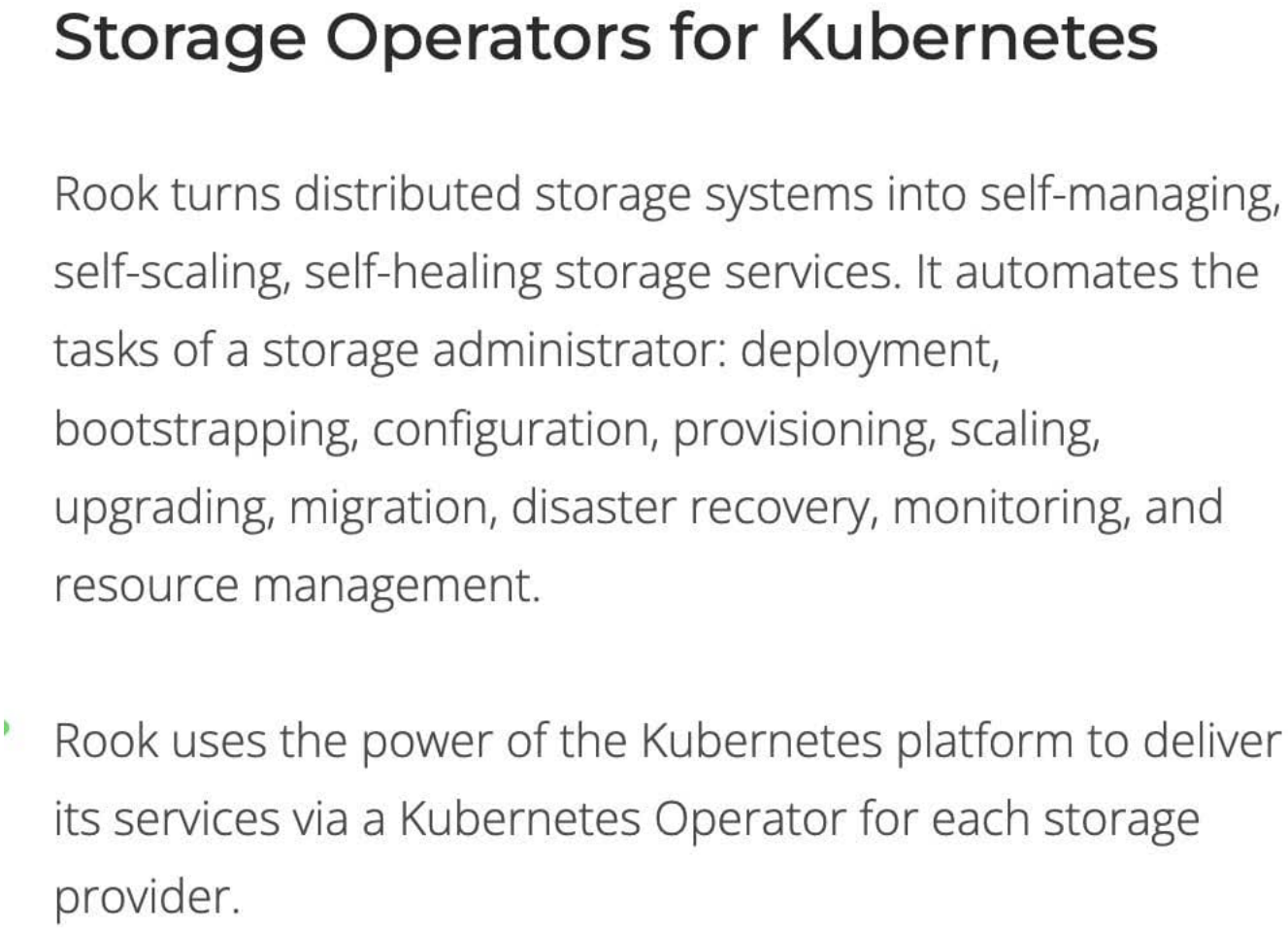
C. Storage Class

D. Rook

E. Volume

Correct Answer: D

Explanation: https://rook.io/



QUESTION 5

How would you return all the pod data in the json format using kubectl command?

A. kubectl get pods -o json

B. kubectl get pods --all-namspaces

C. kubectl get pods -o wide

D. kubectl get pods -o jsonpath

Correct Answer: A

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