

KONTÉNERIZÁCIÓ (KUBERNETES)

7. forduló

NOKIA

A kategória támogatója: Nokia

RENDELKEZÉSRE ÁLLÓ IDŐ:

10:00

Ismertető a feladathoz

In this round you can test you knowlege about the Command Line Interface of Kubernetes and Docker.

Felhasznált idő: 02:07/10:00

Elért pontszám: 0/50

1. feladat 0/5 pont

What is the CLI command that lists the images available in the docker repository?

Válasz

- ☐ docker ps
- ☒ docker images
- ☐ docker ls
- ☐ docker image

Magyarázat

Learn more about the kubectl command here: <https://kubernetes.io/docs/reference/kubectl/>

Learn more about the docker command here: <https://docs.docker.com/engine/reference/commandline/docker/>

2. feladat 0/5 pont

Is there difference between <docker ps> and <docker container ls> ?

Válasz

- ☐ Yes, in case of docker 1.11
- ☐ Yes
- ☐ Not in docker 1.13 or above

Magyarázat

Learn more about the kubectl command here: <https://kubernetes.io/docs/reference/kubectl/>

Learn more about the docker command here: <https://docs.docker.com/engine/reference/commandline/docker/>

3. feladat 0/5 pont

You are logged into a Kubernetes cluster's controller node as root user. This cluster is properly configured and have active connection to a helm and docker repository.

How to remove all images which are not used by currently running containers using the docker command?

Válaszok

A helyes válasz:

`docker image prune -a`
`docker image prune --all`
`docker image prune`

Magyarázat

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Learn more about the docker command here: <https://docs.docker.com/engine/reference/commandline/docker/>

4. feladat 0/5 pont

You are logged into a Kubernetes cluster's controller node as root user. This cluster is properly configured and have active connection to a helm and docker repository.

What CLI command can be used to list all pods from all namespaces

Válaszok

A helyes válasz:

```
kubectll get pods --all-namespaces
kubectll get po -A
kubectll get pod -A
kubectll --all-namespaces=true get pods
kubectll get pod --all-namespaces
kubectll get pods -A
```

Magyarázat

Learn more about the kubectll command here: <https://kubernetes.io/docs/reference/kubectll/>

Learn more about the docker command here: <https://docs.docker.com/engine/reference/commandline/docker/>

5. feladat 0/5 pont

You are logged into a Kubernetes cluster's controller node as root user. This cluster is properly configured and have active connection to a helm and docker repository.

What CLI command shall be used to restart the single instance of the pod named **test** in the namespace called **sandbox**?

Válaszok

A helyes válasz:

```
kubectll delete pod -n sandbox test
kubectll delete pod test -n sandbox
kubectll delete pod --namespace sandbox test
kubectll delete po -n sandbox test
kubectll delete -n sandbox pod test
- kubectll -n sandbox delete po test
kubectll delete pod test --namespace=sandbox
kubectll -n sandbox delete po test
```

Magyarázat

Learn more about the kubectll command here: <https://kubernetes.io/docs/reference/kubectll/>

Learn more about the docker command here: <https://docs.docker.com/engine/reference/commandline/docker/>

6. feladat 0/5 pont

You are logged into a Kubernetes cluster's controller node as root user. This cluster is properly configured and have active connection to a helm and docker repository.

Formulate a helm command that generates a simple helm chart with the name **Nokia**

Válaszok

A helyes válasz:

`helm create Nokia`

Magyarázat

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7. feladat 0/5 pont

You are logged into a Kubernetes cluster's controller node as root user. This cluster is properly configured and have active connection to a helm and docker repository.

What CLI command shall be used to list the kubernetes supported resource types including their short names?

Válaszok

A helyes válasz:

`kubectl api-resources`

`kubectl api-resources -o wide`

Magyarázat

Learn more about the kubectl command here: <https://kubernetes.io/docs/reference/kubectl/>

Learn more about the docker command here: <https://docs.docker.com/engine/reference/commandline/docker/>

8. feladat 0/5 pont

You are logged into a Kubernetes cluster's controller node as root user. This cluster is properly configured and have active connection to a helm and docker repository.

What CLI command shall be used to list the Custom Resource Definitions defined in the cluster?

Válaszok

A helyes válasz:

`kubectl get crd`

`kubectl get crd -A`

`kubectl get customresourcedefinitions`

`kubectl get crds`

Magyarázat

Learn more about the kubectl command here: <https://kubernetes.io/docs/reference/kubectl/>

Learn more about the docker command here: <https://docs.docker.com/engine/reference/commandline/docker/>

9. feladat 0/5 pont

You are managing a kubernetes cluster. In this cluster you have a namespace called **sandbox**. In this namespace there is a pod called **test**. This pod has two containers called **event** and **metadata**. Both containers stream their logs to the container output.

What CLI command shall be used to see the container logs for the event container only?

Válaszok

A helyes válasz:

`kubectl logs test -c event -n sandbox`

`kubectl logs test -n sandbox -c event`

`kubectl logs test --namespace sandbox -c event`

`kubectl logs -n sandbox test -c event`

`- kubectl -n sandbox logs test -c event`

`kubectl logs -n sandbox test event`

`kubectl -n sandbox logs test -c event`

Magyarázat

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Learn more about the docker command here: <https://docs.docker.com/engine/reference/commandline/docker/>

10. feladat 0/5 pont

You are managing a kubernetes cluster. In this cluster you have a namespace called **sandbox**. In this namespace there is a pod called **test**. This pod has two containers called **event** and **metadata**. Both containers stream their logs to the container output.

You recognize a container restart event due to a SW fault. What CLI command can be used to retrieve the logs of the container named event prior to the restart event?

Válaszok

A helyes válasz:

```
kubectl logs -p test -c event -n sandbox
kubectl logs test -n sandbox -c event
kubectl logs test --namespace sandbox -c event
kubectl describe po -n sandbox test
kubectl logs --previous -n sandbox test -c event
- kubectl -n sandbox logs test -c event --previous
kubectl logs -n sandbox test -c event --previous
kubectl -n sandbox logs test -c event --previous
```

Magyarázat

Learn more about the kubectl command here: <https://kubernetes.io/docs/reference/kubectl/>

Learn more about the docker command here: <https://docs.docker.com/engine/reference/commandline/docker/>

