

✔ Congratulations! You passed!

Grade received 100%

To pass 80% or higher

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Kubernetes Operations

Latest Submission Grade 100%

1. You want to use kubectl to configure your cluster, but first you must configure it. Where does the kubectl command store its configuration file? **1 / 1 point**

- ☐ kubectl uses the same authorization and credential tokens as the gcloud CLI utilities.
 - ☐ kubectl always prompts the user for credentials before executing commands.
 - ☒ The configuration information is stored in the \$HOME/.kube/config file.
 - ☐ The configuration information is stored in environment variables in the current shell. when required.
- ✔ **Correct**
That is correct.

2. You attempt to update a container image to a new version, but this does not succeed. You execute the command 'kubectl describe pod '. The output of the command shows that the Pod status has changed to Pending, the state is shown as Waiting and the reason shown is ImagePullBackOff. What is the most probable cause of this error? **1 / 1 point**

- ☐ The container image pull policy has been set to Never.
- ☐ You specified an invalid container name.

- ☐ The latest container image is already deployed.
- ☒ The container image failed to download.

☒ **Correct**
That is correct.

3. You want to use a `kubectl get` command to identify which Node each Pod is running on. Which command do you need to execute?

1 / 1 point

- ☐ `kubectl get pods`
- ☐ `kubectl get nodes -o=yaml`
- ☐ `kubectl get nodes`
- ☒ `kubectl get pods -o=wide`

☒ **Correct**
That is correct.

4. Which command can you use to look at the error messages from containers in a Pod that are failing to run successfully?

1 / 1 point

- ☐ `kubectl exec -it -- sh`
- ☐ `kubectl describe pod`
- ☒ `kubectl logs`
- ☐ `kubectl get pod`

✓ **Correct**
That is correct.

5. What command can you use to identify which containers in a Pod are successfully running, and which are failing or having issues?

1 / 1 point

- ☐ kubectl logs
- ☐ kubectl exec
- ☐ kubectl get pod
- ☒ kubectl describe pod

✓ **Correct**
That is correct.

6. You are troubleshooting a network issue, but before you can do this, you need to launch an interactive shell inside an existing Pod in order to install a network monitoring tool. Which kubectl command should you execute in order to achieve this goal?

1 / 1 point

- ☐ kubectl run ---stdin -image= -- /bin/bash
- ☒ kubectl exec -it -- /bin/bash
- ☐ kubectl exec --stdin -- /bin/bash
- ☐ kubectl run --image= -- /bin/bash

✓ **Correct**
That is correct.

