

# Deploying a Java App with Oracle Cloud Container Engine for Kubernetes

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SETTING UP A CLUSTER ON  
ORACLE CLOUD INFRASTRUCTURE



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# Oracle Cloud Container Engine for Kubernetes



**Managed Kubernetes service**

**Open an Oracle Cloud account**

**Create a cluster**

**Configure kubectl**

**Access Kubernetes dashboard**

# Oracle Cloud Regions



## **Around the World**

Multiple cloud regions in a variety of locations



## **Region Selection**

Select the region that best optimizes your use case



# Opening an Oracle Cloud Account



Email



Username and password



Name and address



Mobile number with verification



Credit card information



# Demo



[oracle.com/cloud/free/](https://oracle.com/cloud/free/)

Walk through opening an  
Oracle Cloud account



# Cluster Composition



Networking resources – VCN, IG, NAT gateway, route tables, security lists, subnets (public/private)



Kubernetes cluster – Master components managed by service



Node pool – Image shape, how many, location



Allow service OKE to manage all-resources in tenancy

## Quick Create a Cluster

**Fastest way to stand up a cluster**

**Must allow Oracle Kubernetes Engine to create resources for you**

- Create policy
- Add statement



# Demo



## Create policy

- Add statement

## Quick create a Kubernetes cluster





# Connect to Your Cluster with kubectl



**Generate a private key to sign requests**

**Upload public key to account**

**Install and configure Oracle Cloud  
Command Line Interface (CLI)**

**Create kubeconfig**

**Verify kubectl connection**

# Summary



**Created an Oracle Cloud account**

**Running Kubernetes cluster**

**kubectl configured**

**Access Kubernetes dashboard**

