

# DEPLOYMENT OF APP IN IBM CLOUD

## DEPLOY IN KUBERNETES CLUSTER

Date	15 November 2022
Team ID	PNT2022TMID34419
Project Name	Inventory Management System for Retailers

### DEPLOY ON KUBERNETES:

```
Command Prompt

Troubleshooting and Debugging Commands:
describe      Show details of a specific resource or group of resources
logs          Print the logs for a container in a pod
attach        Attach to a running container
exec          Execute a command in a container
port-forward  Forward one or more local ports to a pod
proxy         Run a proxy to the Kubernetes API server
cp            Copy files and directories to and from containers
auth          Inspect authorization
debug         Create debugging sessions for troubleshooting workloads and nodes

Advanced Commands:
diff          Diff the live version against a would-be applied version
apply         Apply a configuration to a resource by file name or stdin
patch         Update fields of a resource
replace       Replace a resource by file name or stdin
wait          Experimental: Wait for a specific condition on one or many resources
kustomize     Build a kustomization target from a directory or URL.

Settings Commands:
label         Update the labels on a resource
annotate      Update the annotations on a resource
completion    Output shell completion code for the specified shell (bash, zsh, fish, or powershell)

Other Commands:
alpha         Commands for features in alpha
api-resources Print the supported API resources on the server
api-versions  Print the supported API versions on the server, in the form of "group/version"
config        Modify kubeconfig files
plugin        Provides utilities for interacting with plugins
version       Print the client and server version information

Usage:
  kubectl [flags] [options]

Use "kubectl <command> --help" for more information about a given command.
Use "kubectl options" for a list of global command-line options (applies to all commands).

C:\Users\hnp>
```

```
Command Prompt

Select a region (or press enter to skip):
1. au-syd
2. in-che
3. jp-osa
4. jp-tok
5. kr-seo
6. eu-de
7. eu-gb
8. ca-tor
9. us-south
10. us-east
11. br-sao
Enter a number> 1
Targeted region au-syd

API endpoint: https://cloud.ibm.com
Region: au-syd
User: 961819104080@smartinternz.com
Account: Shijonida JVS's Account (6f0348bea55d4aa7b9285c929160783b)
Resource group: No resource group targeted, use 'ibmcloud target -g RESOURCE_GROUP'
CF API endpoint:
Org:
Space:

New version 2.12.1 is available.
Change logs: https://github.com/IBM-Cloud/ibm-cloud-cli-release/releases/tag/v2.12.1
TIP: use 'ibmcloud config --check-version=false' to disable update check.

Do you want to update? [y/N] >

C:\Users\hvp>ibmcloud ks cluster config -c cdkdi8of0931562974g0
The configuration for cdkdi8of0931562974g0 was downloaded successfully.

Added context for cdkdi8of0931562974g0 to the current kubeconfig file.
You can now execute 'kubectl' commands against your cluster. For example, run 'kubectl get nodes'.
If you are accessing the cluster for the first time, 'kubectl' commands might fail for a few seconds while RBAC synchronizes.

C:\Users\hvp>
```

cloud.ibm.com/kubernetes/clusters/cdkdi8of0931562974g0/overview

IBM Cloud Search resources and products... Catalog Manage Shijonida JVS's Account

Clusters / mycluster-free Normal Expires in 20 days Add tags Help Kubernetes dashboard Actions...

Overview Worker nodes Worker pools DevOps New

**Expires in 20 days:** Be sure to back up your data, your cluster will be deleted in 20 days. To access the full capabilities of the service, try out a standard cluster.

Node status	Add-on status	Master status	Ingress status
1 of 1 Normal	0 of 0 Normal	Normal	Healthy
<a href="#">Details ↓</a>	<a href="#">Details ↓</a>	<a href="#">Docs ↗</a>	<a href="#">Docs ↗</a>

**Details**

Cluster ID	Version	Infrastructure	Zones
cdkdi8of0931562974g0	1.24.7_1542	Classic	Milan 01
Created 11/7/2022 3:38 PM	Resource group Default	Image security enforcement Default	

mycluster-free - IBM

cloud.ibm.com/kubernetes/clusters/cdkd8of0931562974g0/nodes

IBM Cloud

Search resources and products...

Catalog

Manage

Shijonida JVS's Account

Help

Kubernetes dashboard

Actions...

Clusters /

mycluster-free

Normal

Expires in 20 days

Add tags

Overview

Worker nodes

Worker pools

DevOps

Pool: Filter...

Search

Add

	Name	Status	Worker pool	Zone	Private IP	Public IP	Version
<input type="checkbox"/>	00000099	Normal	default	Milan 01	10.144.185.102	159.122.187.181	1.24.6_1541

Items per page: 25

1-1 of 1 item

1

1 of 1 page

Type here to search

30°C

15:53

17-11-2022