

# TEAM: PNT2022TMID24521

## Kubernetes

```
Command Prompt

Targeted account Thamarai Kannan G's Account (22e0dc49422e4859bd2e7165396ce75a)

API endpoint: https://cloud.ibm.com
Region: jp-tok
User: 737819ITR101@smartinternz.com
Account: Thamarai Kannan G's Account (22e0dc49422e4859bd2e7165396ce75a)
Resource group: No resource group targeted, use 'ibmcloud target -g RESOURCE_GROUP'
CF API endpoint:
Org:
Space:

C:\Users\User>ibmcloud ks cluster config -c cds6efbf01vt2ir117bg
OK
The configuration for cds6efbf01vt2ir117bg was downloaded successfully.

Added context for cds6efbf01vt2ir117bg 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\User>kubectl get ns
NAME                STATUS    AGE
default             Active   129m
ibm-cert-store      Active   104m
ibm-operators       Active   122m
ibm-system          Active   124m
kube-node-lease     Active   129m
kube-public         Active   129m
kube-system         Active   129m

C:\Users\User>
```

```
C:\Windows\System32\cmd.exe

Microsoft Windows [Version 10.0.19044.2251]
(c) Microsoft Corporation. All rights reserved.

D:\IBM>kubectl apply -f ./deployment.yaml
deployment.apps/node-deployment created

D:\IBM>kubectl apply -f ./service.yaml
service/node-service created

D:\IBM>kubectl get all
NAME                                READY    STATUS    RESTARTS   AGE
pod/node-deployment-794df58d87-c47ck 1/1      Running   0           79s

NAME                                TYPE          CLUSTER-IP    EXTERNAL-IP  PORT(S)          AGE
service/kubernetes                  ClusterIP     172.21.0.1     <none>       443/TCP          140m
service/node-service                NodePort      172.21.226.30 <none>       5000:31025/TCP   19s

NAME                                READY    UP-TO-DATE   AVAILABLE   AGE
deployment.apps/node-deployment     1/1      1            1           80s

NAME                                DESIRED    CURRENT   READY   AGE
replicaset.apps/node-deployment-794df58d87 1          1         1       80s

D:\IBM>
```

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cloud.ibm.com/kubernetes/clusters/cds6efb0ivt2iri17bg/nodes

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Overview Worker nodes Worker pools DevOps New

Pool: Filter... Search Add

<input type="checkbox"/>	Name	Status	Worker pool	Zone	Private IP	Public IP	Version
<input type="checkbox"/>	000000da	Normal	default	Milan 01	10.144.183.115	169.51.194.191	1.24.7_1543

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Help

- Log in to your cluster
- Deploy your app
- Expose your app
- Add storage to your app
- Connect integrations
- Install add-ons
- Troubleshoot


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Not secure | 169.51.194.191:31025/sports

## Sports


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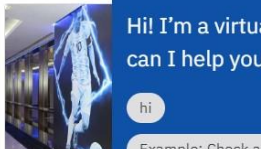
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hi

Example: Check account balance

Example: See how I can help

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