

Name – Anup Kore

Topic – Mini Project Deployed on K8N

Date – 28-04-2023

```
Command Prompt
C:\Users\LENOVO>
C:\Users\LENOVO>docker tag mini-spring-boot.jar:latest anup1207/for_mini_project
C:\Users\LENOVO>
C:\Users\LENOVO>docker push anup1207/for_mini_project:
invalid reference format
C:\Users\LENOVO>docker tag mini-spring-boot.jar:latest anup1207/for_mini_project:mini_project_tag
C:\Users\LENOVO>
C:\Users\LENOVO>docker push anup1207/for_mini_project:mini_project_tag
The push refers to repository [docker.io/anup1207/for_mini_project]
90e3925ffc86: Pushed
dc9fa3d8b576: Mounted from anup1207/spring-boot-project
27ee19dc88f2: Mounted from anup1207/spring-boot-project
c8dd97366670: Mounted from anup1207/spring-boot-project
mini_project_tag: digest: sha256:1dda95c85fed5996d9bb0d15155d3a79ff2d91d722af3aa70cceb15e5e20b16 size: 1166
C:\Users\LENOVO>
C:\Users\LENOVO>
```

Kubernetes Dashboard x anup1207/for\_mini\_project gene x +

hub.docker.com/repository/docker/anup1207/for\_mini\_project/general

### anup1207 / for\_mini\_project

**Description**  
This repository does not have a description

Last pushed: a few seconds ago

**Docker commands** [Public View](#)

To push a new tag to this repository,

```
docker push anup1207/for_mini_project:tagname
```

**Tags**

This repository contains 1 tag(s).

Tag	OS	Type	Pulled	Pushed
mini_project_tag		Image	---	a few seconds ago

[See all](#) [Go to Advanced Image Management](#)

**Automated Builds**

Manually pushing images to Hub? Connect your account to GitHub or Bitbucket to automatically build and tag new images whenever your code is updated, so you can focus your time on creating.

Available with Pro, Team and Business subscriptions. [Read more about automated builds](#)

[Upgrade](#)

**README**

Repository description is empty. Click [here](#) to edit.

Waiting for hub.docker.com...

```
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C:\Users\LENOVO>
C:\Users\LENOVO>kubectl create deployment spring-mini-project --image anup1207/for_mini_project
deployment.apps/spring-mini-project created

C:\Users\LENOVO>
C:\Users\LENOVO>kubectl delete deployment spring-mini-project
deployment.apps "spring-mini-project" deleted

C:\Users\LENOVO>
C:\Users\LENOVO>kubectl create deployment spring-mini-project --image anup1207/for_mini_project:mini_project_tag
deployment.apps/spring-mini-project created

C:\Users\LENOVO>
C:\Users\LENOVO>kubectl get pods
NAME                                READY   STATUS    RESTARTS   AGE
spring-mini-project-65956dd76c-6ghmh 1/1     Running   0           36s

C:\Users\LENOVO>
```

Kubernetes Dashboard

anup1207/for\_mini\_project gene

127.0.0.1:55156/api/v1/namespaces/kubernetes-dashboard/services/http:kubernetes-dashboard:/proxy/#/deployment?namespace=default

kubernetes default Search

Workloads > Deployments

Deployments					
Name	Images	Labels	Pods	Created	
spring-mini-project	anup1207/for_mini_project:mini_project_tag	app: spring-mini-project	1 / 1	22 seconds ago	

Workloads

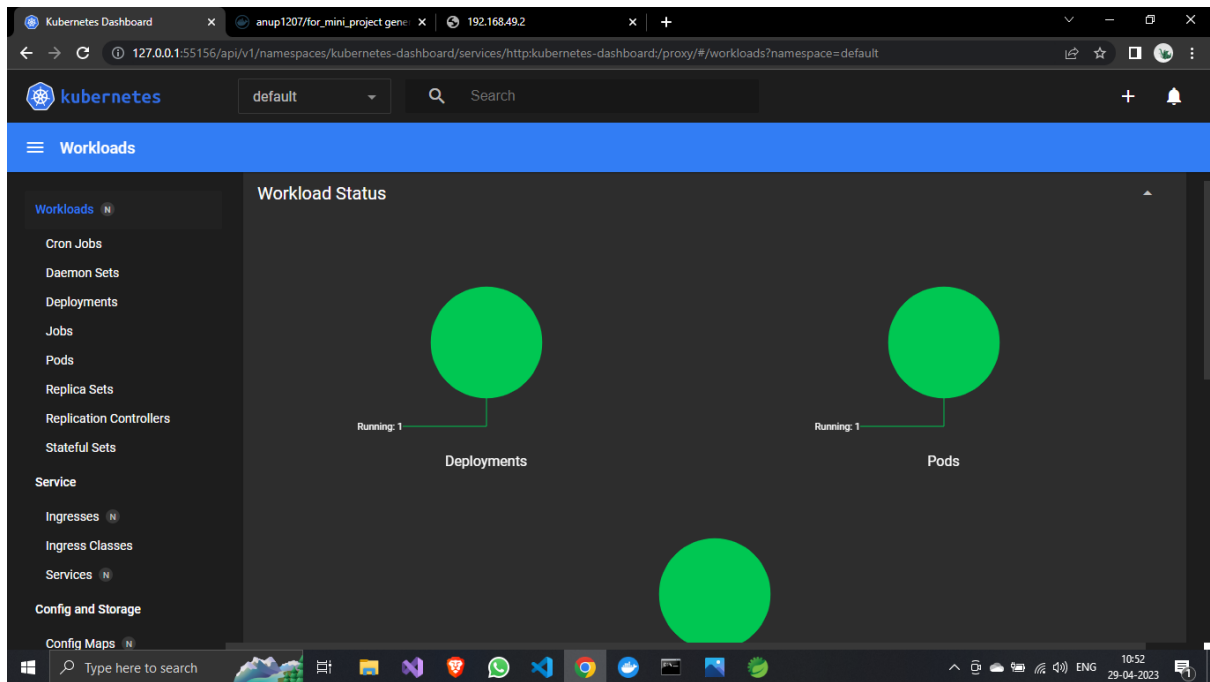
- Cron Jobs
- Daemon Sets
- Deployments
- Jobs
- Pods
- Replica Sets
- Replication Controllers
- Stateful Sets

Service

- Ingresses
- Ingress Classes
- Services

Config and Storage

Config Maps



The screenshot shows the detailed view of the 'spring-mini-project' Deployment in the 'default' namespace. The 'Deployments' table lists the deployment with its name, image, labels, pod count (1/1), and creation time (17 minutes ago). The 'Pods' table lists the single pod with its name, image, labels, node (minikube), status (Running), restarts (0), CPU usage, memory usage, and creation time (17 minutes ago). The 'Replica Sets' table is partially visible at the bottom.

Name	Images	Labels	Pods	Created
spring-mini-project	anup1207/for_mini_project:mini_project_tag	app: spring-mini-project	1 / 1	17 minutes ago

Name	Images	Labels	Node	Status	Restarts	CPU Usage (cores)	Memory Usage (bytes)	Created
spring-mini-project-65956dd76c-6ghmh	anup1207/for_mini_project:mini_project_tag	app: spring-mini-project pod-template-hash: 65956dd76c	minikube	Running	0	-	-	17 minutes ago

Name	Images	Labels	Pods	Created
spring-mini-project	anup1207/for_mini_project:mini_project_tag	app: spring-mini-project	1 / 1	17 minutes ago

```
Command Prompt - minikube service spring-mini-project
Microsoft Windows [Version 10.0.19045.2846]
(c) Microsoft Corporation. All rights reserved.

C:\Users\LENOVO>kubectl get svc
NAME                TYPE          CLUSTER-IP    EXTERNAL-IP    PORT(S)          AGE
kubernetes           ClusterIP     10.96.0.1     <none>         443/TCP          2d2h
spring-mini-project  LoadBalancer 10.109.159.71 127.0.0.1      80:30499/TCP     14m

C:\Users\LENOVO>
C:\Users\LENOVO>kubectl get svc
NAME                TYPE          CLUSTER-IP    EXTERNAL-IP    PORT(S)          AGE
kubernetes           ClusterIP     10.96.0.1     <none>         443/TCP          2d2h
spring-mini-project  LoadBalancer 10.109.159.71 <pending>      80:30499/TCP     19m

C:\Users\LENOVO>minikube service spring-mini-project
-----|-----|-----|-----|
| NAMESPACE |      NAME      | TARGET PORT |      URL      |
|-----|-----|-----|-----|
| default   | spring-mini-project |           80 | http://192.168.49.2:30499 |
|-----|-----|-----|-----|
* Starting tunnel for service spring-mini-project.
E0429 11:05:57.084853    8804 service_tunnel.go:66] error starting ssh tunnel: exec: "ssh": executable file not found in %PATH%
-----|-----|-----|-----|
| NAMESPACE |      NAME      | TARGET PORT |      URL      |
|-----|-----|-----|-----|
| default   | spring-mini-project |           80 | http://127.0.0.1:53998 |
|-----|-----|-----|-----|
* Opening service default/spring-mini-project in default browser...
! Because you are using a Docker driver on windows, the terminal needs to be open to run it.
```