

CDAC-Batch2-Training - Google | Kubernetes.pptx - Google | (562) Kubernetes Tutorial | Run | Kubernetes Dashboard | localhost

127.0.0.1:52388/api/v1/namespaces/kubernetes-dashboard/services/http:kubernetes-dashboard/proxy/#/log/default/my-app1-564db546b-qtppq/pod?namespace=default&...

Gmail | Wheelbox | JOB/HR Interview | Node.js Package M... | YouTube | Maps | News | Translate | SPPU Login | RESULT SPPU | WhatsApp | ION Event Listing | Login | Campus Co...

kubernetes default Search

Workloads > Pods > my-app1-564db546b-qtppq > Logs

Workloads Cron Jobs Daemon Sets Deployments Jobs Pods Replica Sets Replication Controllers Stateful Sets Service Ingresses Ingress Classes Services Config and Storage Config Maps Persistent Volume Claims Secrets Storage Classes

Cluster 34°C Partly sunny

Logs from demo in my-app1-564d... (v3.0.6)

```
2023-05-03T10:00:15.162Z INFO 1 --- [main] c.e.d.ProjectForDeploymentApplication : Starting ProjectForDeploymentApplication v0.0.1-SNAPSHOT using Java 17.0.2 with PID 1 (/spring-boot-docker.jar started by root in /)
2023-05-03T10:00:15.165Z INFO 1 --- [main] c.e.d.ProjectForDeploymentApplication : No active profile set, falling back to 1 default profile: "default"
2023-05-03T10:00:16.346Z INFO 1 --- [main] s.d.r.c.RepositoryConfigurationDelegate : Bootstrapping Spring Data JPA repositories in DEFAULT mode.
2023-05-03T10:00:16.413Z INFO 1 --- [main] s.d.r.c.RepositoryConfigurationDelegate : Finished Spring Data repository scanning in 60 ms. Found 1 JPA repository interfaces.
2023-05-03T10:00:17.323Z INFO 1 --- [main] o.s.b.w.embedded.tomcat.TomcatWebServer : Tomcat initialized with port(s): 8080 (http)
2023-05-03T10:00:17.331Z INFO 1 --- [main] o.apache.catalina.core.StandardService : Starting service [Tomcat]
2023-05-03T10:00:17.331Z INFO 1 --- [main] o.apache.catalina.core.StandardEngine : Starting Servlet engine: [Apache Tomcat/10.1.8]
2023-05-03T10:00:17.476Z INFO 1 --- [main] o.a.c.c.C.[Tomcat].[localhost].[/] : Initializing Spring embedded WebApplicationContext
2023-05-03T10:00:17.478Z INFO 1 --- [main] w.s.c.ServletWebServerApplicationContext : Root WebApplicationContext: initialization completed in 2232 ms
2023-05-03T10:00:17.934Z INFO 1 --- [main] com.zaxxer.hikari.HikariDataSource : HikariPool-1 - Starting...
2023-05-03T10:00:18.421Z INFO 1 --- [main] com.zaxxer.hikari.pool.HikariPool : HikariPool-1 - Added connection com.mysql.cj.jdbc.ConnectionImpl@e0e9df3c
2023-05-03T10:00:18.423Z INFO 1 --- [main] com.zaxxer.hikari.HikariDataSource : HikariPool-1 - Start completed.
2023-05-03T10:00:18.465Z INFO 1 --- [main] o.hibernate.jpa.internal.util.LogHelper : HH000204: Processing PersistenceUnitInfo [name: default]
2023-05-03T10:00:19.356Z INFO 1 --- [main] org.hibernate.Version : HH0000412: Hibernate ORM core version 6.1.7.Final
2023-05-03T10:00:19.356Z INFO 1 --- [main] org.hibernate.Version : HH0000400: Using dialect: org.hibernate.dialect.MySQLDialect
2023-05-03T10:00:20.354Z INFO 1 --- [main] o.h.e.t.j.p.i.JtaPlatformInitiator : HH0000490: Using JtaPlatform implementation: [org.hibernate.engine.transaction.jta.platform.internal.NoJtaPlatform]
2023-05-03T10:00:20.366Z INFO 1 --- [main] j.LocalContainerEntityManagerFactoryBean : Initialized JPA EntityManagerFactory for persistence unit 'default'
2023-05-03T10:00:21.686Z INFO 1 --- [main] o.s.b.w.embedded.tomcat.TomcatWebServer : Tomcat started on port(s): 8080 (http) with context path ''
2023-05-03T10:00:21.632Z INFO 1 --- [main] c.e.d.ProjectForDeploymentApplication : Started ProjectForDeploymentApplication in 7.079 seconds (process running for 7.632)
```

Logs from May 3, 2023 to May 3, 2023 UTC

CDAC-Batch2-Training - Google | Kubernetes.pptx - Google | (562) Kubernetes Tutorial | Run | Kubernetes Dashboard | localhost

127.0.0.1:52388/api/v1/namespaces/kubernetes-dashboard/services/http:kubernetes-dashboard/proxy/#/workloads?namespace=default

Gmail | Wheelbox | JOB/HR Interview | Node.js Package M... | YouTube | Maps | News | Translate | SPPU Login | RESULT SPPU | WhatsApp | ION Event Listing | Login | Campus Co...

kubernetes default Search

Workloads

Workloads Cron Jobs Daemon Sets Deployments Jobs Pods Replica Sets Replication Controllers Stateful Sets Service Ingresses Ingress Classes Services Config and Storage Config Maps Persistent Volume Claims Secrets Storage Classes

Cluster 34°C Partly sunny

Running: 2 Deployments Running: 2 Pods Running: 5 Replica Sets

Deployments

Name	Images	Labels	Pods	Created
mysql-app1	techbrutal11/demo:mysqltag	app: mysql-app1	1 / 1	18 minutes ago
my-app1	techbrutal11/demo:version1	app: my-app1	1 / 1	an hour ago

Pods

Name	Images	Labels	Node	Status	Restarts	CPU Usage (cores)	Memory Usage (bytes)	Created
my-app1-564db546b-qtppq	techbrutal11/demo:version1	app: my-app1	minikube	Running	0			13 minutes

```
Command Prompt - minikube X + v

C:\Users\Varun>kubectl get pods
NAME                                READY    STATUS              RESTARTS      AGE
first-app-7dd9565979-kb5ms          0/1      ImagePullBackOff    0              4h49m
fourth-app-78b57b5788-g68d6         0/1      ImagePullBackOff    0              4h48m
my-app-59fb974897-pbm5v             0/1      CrashLoopBackOff    9 (87s ago)    24m
my-app1-6f4cbd4bb8-hrcnc            0/1      CrashLoopBackOff    8 (4m10s ago)  21m
second-app-7d5bf6dc4b-xh7x9         0/1      CrashLoopBackOff    50 (2m28s ago) 4h48m
third-app-66945d4f6d-hmfhs          1/1      Running             3 (22m ago)    4h48m
varunapp-568477b86b-6jhvs           0/1      ImagePullBackOff    0              4h48m

C:\Users\Varun>docker tag mysql techbrutal11/demo:mysqltag

C:\Users\Varun>docker push techbrutal11/demo:mysqltag
The push refers to repository [docker.io/techbrutal11/demo]
a4f094a19913: Mounted from library/mysql
ac2f3d433b8e: Mounted from library/mysql
44eaf2264b91: Mounted from library/mysql
82a375517098: Mounted from library/mysql
b6db6a89e1da: Mounted from library/mysql
1c585189e67f: Mounted from library/mysql
08745f0c18ca: Mounted from library/mysql
3f77202efc1: Mounted from library/mysql
a9805d41c46a: Mounted from library/mysql
5ed69eb31cd7: Mounted from library/mysql
caef4e45118: Mounted from library/mysql
mysqltag: digest: sha256:b45a7c366fb15526e8bf62ebb940c4d60617e36f46155b8514fd9c9388231817 size: 2618

C:\Users\Varun>kubectl create deployment mysql-app --image=techbrutal11/demo:mysqltag
deployment.apps/mysql-app created

C:\Users\Varun>minikube dashboard
* Verifying dashboard health ...
* Launching proxy ...
* Verifying proxy health ...
* Opening http://127.0.0.1:52228/api/v1/namespaces/kubernetes-dashboard/services/http:kubernetes-dashboard:/proxy/ in your default browser...
^C
C:\Users\Varun>kubectl create deployment mysql-app1 --image=techbrutal11/demo:mysqltag
deployment.apps/mysql-app1 created

C:\Users\Varun>minikube dashboard
* Verifying dashboard health ...
* Launching proxy ...
* Verifying proxy health ...
* Opening http://127.0.0.1:52388/api/v1/namespaces/kubernetes-dashboard/services/http:kubernetes-dashboard:/proxy/ in your default browser...
```

```
Command Prompt - kubectl X + v

(c) Microsoft Corporation. All rights reserved.

C:\Users\Varun>kubectl expose deployment mysql-app --type=ClusterIP --port=3306
service/mysql-app exposed

C:\Users\Varun>kubectl get pods
NAME                                READY    STATUS              RESTARTS      AGE
first-app-7dd9565979-kb5ms          0/1      ImagePullBackOff    0              5h2m
fourth-app-78b57b5788-g68d6         0/1      ImagePullBackOff    0              5h1m
my-app-59fb974897-pbm5v             0/1      CrashLoopBackOff    11 (3m53s ago) 37m
my-app1-6f4cbd4bb8-hrcnc            0/1      CrashLoopBackOff    11 (78s ago)   34m
mysql-app-6c54cb48d7-x2trt          1/1      Running             0              2m39s
second-app-7d5bf6dc4b-xh7x9         0/1      CrashLoopBackOff    52 (4m50s ago) 5h1m
third-app-66945d4f6d-hmfhs          1/1      Running             3 (35m ago)    5h1m
varunapp-568477b86b-6jhvs           0/1      ImagePullBackOff    0              5h1m

C:\Users\Varun>kubectl port-forward mysql-app-6c54cb48d7-x2trt 3310:3306
Forwarding from 127.0.0.1:3310 -> 3306
Forwarding from [::1]:3310 -> 3306
Handling connection for 3310
Handling connection for 3310
Handling connection for 3310

C:\Users\Varun>kubectl expose deployment mysql-app1 --type=ClusterIP --port=3306
service/mysql-app1 exposed

C:\Users\Varun>kubectl get pods
NAME                                READY    STATUS              RESTARTS      AGE
first-app-7dd9565979-kb5ms          0/1      ImagePullBackOff    0              5h14m
fourth-app-78b57b5788-g68d6         0/1      ImagePullBackOff    0              5h13m
my-app-59fb974897-pbm5v             0/1      Error               14 (5m29s ago) 49m
my-app1-644f76f79-nt6vf             0/1      CrashLoopBackOff    6 (46s ago)    7m21s
mysql-app-6c54cb48d7-x2trt          1/1      Running             0              14m
mysql-app1-857f787b8c-nw5ct         1/1      Running             0              76s
second-app-7d5bf6dc4b-xh7x9         0/1      CrashLoopBackOff    55 (65s ago)   5h13m
third-app-66945d4f6d-hmfhs          1/1      Running             3 (47m ago)    5h13m
varunapp-568477b86b-6jhvs           0/1      ImagePullBackOff    0              5h13m

C:\Users\Varun>kubectl port-forward mysql-app1-857f787b8c-nw5ct 3310:3306
Forwarding from 127.0.0.1:3310 -> 3306
```

```
Command Prompt - kubectl | x + v
C:\Users\Varun>kubectl port-forward my-app1-564db546b-qtpqq 9090:9090
Forward
Command Prompt
Microsoft Windows [Version 10.0.22621.1555]
(c) Microsoft Corporation. All rights reserved.

C:\Users\Varun>kubectl scale deployment my-app1 --replicas=3
deployment.apps/my-app1 scaled

C:\Users\Varun>
```

```
Command Prompt - kubectl | x + v
C:\Users\Varun>kubectl port-forward my-app1-564db546b-qtpqq 9090:9090
Forward
Command Prompt
Microsoft Windows [Version 10.0.22621.1555]
(c) Microsoft Corporation. All rights reserved.

C:\Users\Varun>kubectl scale deployment my-app1 --replicas=3
deployment.apps/my-app1 scaled

C:\Users\Varun>kubectl get pods
NAME                                READY   STATUS    RESTARTS   AGE
my-app1-564db546b-n2g7z             1/1     Running   0           20s
my-app1-564db546b-qtpqq             1/1     Running   0           16m
my-app1-564db546b-rc1js             1/1     Running   0           20s
mysql-app1-857f787b8c-nw5ct         1/1     Running   0           19m

C:\Users\Varun>kubectl scale deployment mysql-app1 --replicas=3
deployment.apps/mysql-app1 scaled

C:\Users\Varun>kubectl get pods
NAME                                READY   STATUS             RESTARTS   AGE
my-app1-564db546b-n2g7z             1/1     Running             0           39s
my-app1-564db546b-qtpqq             1/1     Running             0           17m
my-app1-564db546b-rc1js             1/1     Running             0           39s
mysql-app1-857f787b8c-68wgq         0/1     ContainerCreating   0           2s
mysql-app1-857f787b8c-nw5ct         1/1     Running             0           20m
mysql-app1-857f787b8c-xnsqt         0/1     ContainerCreating   0           2s

C:\Users\Varun>
```