



```
C:\Users\User>kubectl create deployment spring-app --image=omkar0707/kubectlproject:spring
deployment.apps/spring-app created
C:\Users\User>kubectl create deployment spring-app --image=omkar0707/kubectlproject:spring
C:\Users\User>kubectl get pods
NAME
mysql-app-5699b7755d-xw2fw
spring-app-687756f4f7-v429w
                                                                  READY
                                                                                   STATUS
                                                                                                           RESTARTS AGE
                                                                 1/1
                                                                                     Running
                                                                                                                                     12m
                                                                                     Running
                                                                                                                                    645
C:\Users\User>kubectl expose deployment spring-app --type=ClusterIP --port=9090 service/spring-app exposed
C:\Users\User\kubectl port-forward spring-app-687756f4f7-v429w 8080:9090
Forwarding from 127.0.0.1:8080 -> 9090
Forwarding from [::1]:8080 -> 9090
Handling connection for 8080
Handling connection for 8080
Handling connection for 8080
Handling connection for 8080
Forwarding from [::1]:8080 -> 9090
Handling connection for 8080
Handling connection for 8080
Handling connection for 8080
Handling connection for 8080

160607 19:37:27.766006 3636 portforward.go:406] an error occurred forwarding 8080 -> 9090: error forwarding port 9090 to pod 8bc9f8507f067b9b9a62b99fd66e993fd58966ef9
bf763d51756305993304331, uid : exit status 1: 2023/05/07 14:07:27 socat[60372] E connect(5, AF=2 127.0.0.1:9090, 16): Connection refused
E0507 19:37:27.766006 3636 portforward.go:406] an error occurred forwarding 8080 -> 9090: error forwarding port 9090 to pod 8bc9f8507f067b9b9a62b99fd66e993fd58966ef9
bf763d51756305993304331, uid : exit status 1: 2023/05/07 14:07:27 socat[60373] E connect(5, AF=2 127.0.0.1:9090, 16): Connection refused
E0507 19:37:27.772201 3636 portforward.go:234] lost connection to pod
C:\Users\User>kubectl logs spring-app-687756f4f7-v429w
2023-05-07T14:04:06.884Z INFO 1 --- [
                                                                                                                                                                                                                         : Starting OcApplication v0.0.1-SNAPSHOT using Java 17.0.2 with PID 1 (/
                                                                                                              main] com.example.oc.OcApplication
2023-05-07T14:04:06.8912 INFO 1 ---
2023-05-07T14:04:06.8912 INFO 1 ---
2023-05-07T14:04:09.1527 INFO 1 ---
2023-05-07T14:04:09.2977 INFO 1 ---
                                                                                                                           com.example.oc.OcApplication : No active profile set, falling back to 1 default profile: "default" .s.d.r.c.RepositoryConfigurationDelegate : Bootstrapping Spring Data JPA repositories in DEFAULT mode. .s.d.r.c.RepositoryConfigurationDelegate : Finished Spring Data repository scanning in 121 ms. Found 1 JPA reposi
                                                                                                              main] com.example.oc.OcApplication
                                                                                                              main]
main]
tory interfaces.
2023-05-07T14:04:11.563Z INFO 1 ---
2023-05-07T14:04:11.592Z INFO 1 ---
2023-05-07T14:04:11.592Z INFO 1 ---
                                                                                                                                                                                                                             Tomcat initialized with port(s): 8080 (http)
                                                                                                              main] o.s.b.w.embedded.tomcat.TomcatWebServer
                                                                                                                                                                                                                         : Starting service [Tomcat]
: Starting Servlet engine: [Apache Tomcat/10.1.8]
                                                                                                              main] o.apache.catalina.core.StandardService
main] o.apache.catalina.core.StandardEngine
```

ത്. Command Prompt - kubectl port-forward spring-app-687756f4f7-v429w 9090:8080 Micnosoft Windows [Vension 10.0.19045.2846]

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bf763d51756305993304331, uid : exit status 1: 2023/05/07 14:07:27 socat[60373] E connect(5, AF=2 127.0.0.1:9090, 16): Connection refused E0507 19:37:27.772201 3636 portforward.go:234] lost connection to pod
C:\Users\User>kubectl logs spring-app-687756f4f7-v429w
                                                                                         /_/_/_/
(v3.0.6)
  :: Spring Boot ::
2023-05-07T14:04:06.884Z INFO 1 --- [
app.jar started by root in /)
2023-05-07T14:04:06.891Z INFO 1 --- [
2023-05-07T14:04:09.152Z INFO 1 --- [
2023-05-07T14:04:09.297Z INFO 1 --- [
                                                                                                                                mainl com.example.oc.OcApplication
                                                                                                                                                                                                                                                             : Starting OcApplication v0.0.1-SNAPSHOT using Java 17.0.2 with PID 1 (/
                                                                                                                                               com.example.oc.OcApplication : No active profile set, falling back to 1 default profile: "default" .s.d.r.c.RepositoryConfigurationDelegate : Bootstrapping Spring Data JPA repositories in DEFAULT mode. .s.d.r.c.RepositoryConfigurationDelegate : Finished Spring Data repository scanning in 121 ms. Found 1 JPA reposi
                                                                                                                               main] com.example.oc.OcApplication :
main] .s.d.r.c.RepositoryConfigurationDelegate :
2023-05-07T14:04:09.152Z
2023-05-07T14:04:09.297Z
tory interfaces.
2023-05-07T14:04:11.563Z
2023-05-07T14:04:11.592Z
2023-05-07T14:04:11.592Z
2023-05-07T14:04:11.972Z
2023-05-07T14:04:11.972Z
                                                                                                                                mainī
                                                                                                                                                                                                                                                             : Tomcat initialized with port(s): 8080 (http)
: Starting service [Tomcat]
: Starting Servlet engine: [Apache Tomcat/10.1.8]
: Initializing Spring embedded WebApplicationContext
: Root WebApplicationContext: initialization completed in 4929 ms
: HHH000204: Processing PersistenceUnitInfo [name: default]
: HHH000212: Hibernate ORM core version 6.1.7.Final
: HikariPool-1 - Starting...
: HikariPool-1 - Added connection com.mysql.cj.jdbc.ConnectionImpl@6daf2
                                                                                                                               main] o.s.b.w.embedded.tomcat.TomcatWebServer
main] o.apache.catalina.core.StandardService
main] o.apache.catalina.core.StandardEngine
main] o.a.c.c.C.[Tomcat].[localhost].[/]
main] w.s.c.ServletWebServerApplicationContext
main] o.hibernate.jpa.internal.util.LogHelper
main] on bibernate.yes.ion
                                                                   INFO 1 ---
INFO 1 ---
INFO 1 ---
                                                                   INFO 1
INFO 1
                                                                 INFO 1 ---
INFO 1 ---
INFO 1 ---
INFO 1 ---
2023-05-07T14:04:13.136Z
2023-05-07114:04:13.1752
2023-05-07714:04:13.2752
2023-05-07714:04:14.0932
2023-05-07714:04:15.4777
3023-05-07714:04:15.4852
2023-05-07714:04:15.5532
2023-05-07714:04:15.5562
                                                                                                                                main] org.hibernate.Version
main] com.zaxxer.hikari.HikariDataSource
main] com.zaxxer.hikari.pool.HikariPool
                                                                  INFO 1 --- [
INFO 1 --- [
WARN 1 --- [
                                                                                                                                main] com.zaxxer.hikari.HikariDataSource
                                                                                                                                                                                                                                                              : HikariPool-1 - Start completed.
                                                                                                                                                                                                                                                              : HHH000400: Using dialect: org.hibernate.dialect.MySQL8Dialect
: HHH00000026: MySQL8Dialect has been deprecated; use org.hibernate.dial
                                                                                                                                main SQL dialect
main org.hibernate.orm.deprecation
2023-05-07/14:04:13.5502 WARN 1 --- [
ect.MySQLDialect instead
2023-05-07T14:04:18.844Z INFO 1 --- [
nsaction.jta.platform.internal.NoJtaPlatform]
2023-05-07T14:04:18.878Z INFO 1 --- [
2023-05-07T14:04:20.855Z INFO 1 --- [
2023-05-07T14:04:20.909Z INFO 1 --- [
                                                                                                                                main] o.h.e.t.j.p.i.JtaPlatformInitiator
                                                                                                                                                                                                                                                              : HHH000490: Using JtaPlatform implementation: [org.hibernate.engine.tra
                                                                                                                                main] j.LocalContainerEntityManagerFactoryBean :
main] o.s.b.w.embedded.tomcat.TomcatWebServer :
main] com.example.oc.OcApplication :
                                                                                                                                                                                                                                                                 Initialized JPA EntityManagerFactory for persistence unit 'default' Tomcat started on port(s): 8080 (http) with context path '' Started OcApplication in 15.433 seconds (process running for 17.255)
C:\Users\User>kubectl port-forward spring-app-687756f4f7-v429w 9090:8080
Forwarding from 127.0.0.1:9090 -> 8080
Forwarding from [::1]:9090 -> 8080
Handling connection for 9090
Handling connection for 9090
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and Prompt - kubectl port-forward spring-app-687756f4f7-v429w 9090:8080



