

Docker Desktop

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shubh...

Containers

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Containers

Give feedback

A container packages up code and its dependencies so the application runs quickly and reliably from one computing environment to another. [Learn more](#)

Only show running containers

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	Name	Image	Status	Port(s)	Started	Actions
<input type="checkbox"/>	<b>angry_y...</b> 6772170589c0	spring-boot-docker-shubham1.jar	Exited (143)	9090:8080		
<input type="checkbox"/>	<b>jolly_shirley</b> 7d3f219095d4	spring-boot-docker-shubham1.jar	Exited (143)	9090:8080		
<input type="checkbox"/>	<b>keen_franklin</b> dcd54daeff3e	postgres	Exited (1)	8081:80		
<input type="checkbox"/>	<b>sad_benz</b> 6a6d6ba03a49	webserver	Created (128)	8080:81		
<input type="checkbox"/>	<b>amazing_shamir</b> 11f7f3b7bde2	webserver	Created (128)	8080:81		
<input type="checkbox"/>	<b>modest_knuth</b> 71144e1b64e6	webserver	Created (128)	8080:80		
<input type="checkbox"/>	<b>hardcore_brown</b> ef60f2e12374	webserver	Created (128)	8080:80		
<input type="checkbox"/>	<b>dreamy_ardinghelli</b> ee4f65fef611	webserver	Created (128)	8080:80		
<input type="checkbox"/>	<b>minikube</b> 67c285d132a3	gcr.io/k8s-minikube/kicbase:v0.0.39	Running	<a href="#">61953.22</a> <a href="#">61954.2376</a> <a href="#">61955.32443</a> <a href="#">61956.5000</a> <a href="#">61957.8443</a>	4 minutes ago	

Showing 16 items

Docker Desktop

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Docker Engine

**Kubernetes**

Software updates

Extensions

Features in development

Kubernetes

v1.25.4

☒ Enable Kubernetes  
Start a Kubernetes single-node cluster when starting Docker Desktop.

☐ Show system containers (advanced)  
Show Kubernetes internal containers when using Docker commands.

Reset Kubernetes Cluster

All stacks and Kubernetes resources will be deleted.

Cancel

Apply & restart

```

Microsoft Windows [Version 10.0.19045.2846]
(c) Microsoft Corporation. All rights reserved.

C:\Users\Admin>minikube --version
Error: unknown flag: --version
See 'minikube --help' for usage.

C:\Users\Admin>minikube version
minikube version: v1.30.1
commit: 08896fd1dc362c097c925146c4a0d0dac715ace0

C:\Users\Admin>minikube start
minikube v1.30.1 on Microsoft Windows 10 Home Single Language 10.0.19045.2846 Build 19045.2846
Automatically selected the docker driver
Using Docker Desktop driver with root privileges
Starting control plane node minikube in cluster minikube
Pulling base image ...
Downloading Kubernetes v1.26.3 preload ...
> preloaded-images-k8s-v18-v1...: 397.02 MiB / 397.02 MiB 100.00% 580.78
> gcr.io/k8s-minikube/kicbase...: 373.53 MiB / 373.53 MiB 100.00% 503.65
Creating docker container (CPUs=2, Memory=2200MB) ...
Preparing Kubernetes v1.26.3 on Docker 23.0.2 ...
- Generating certificates and keys ...
- Booting up control plane ...
- Configuring RBAC rules ...
Configuring bridge CNI (Container Networking Interface) ...
- Using image gcr.io/k8s-minikube/storage-provisioner:v5
Verifying Kubernetes components...
Enabled addons: storage-provisioner, default-storageclass
kubectl not found. If you need it, try: 'minikube kubectl -- get pods -A'
Done! kubectl is now configured to use "minikube" cluster and "default" namespace by default

C:\Users\Admin>minikube status
minikube
type: Control Plane
host: Running
kubelet: Running
apiserver: Running

```

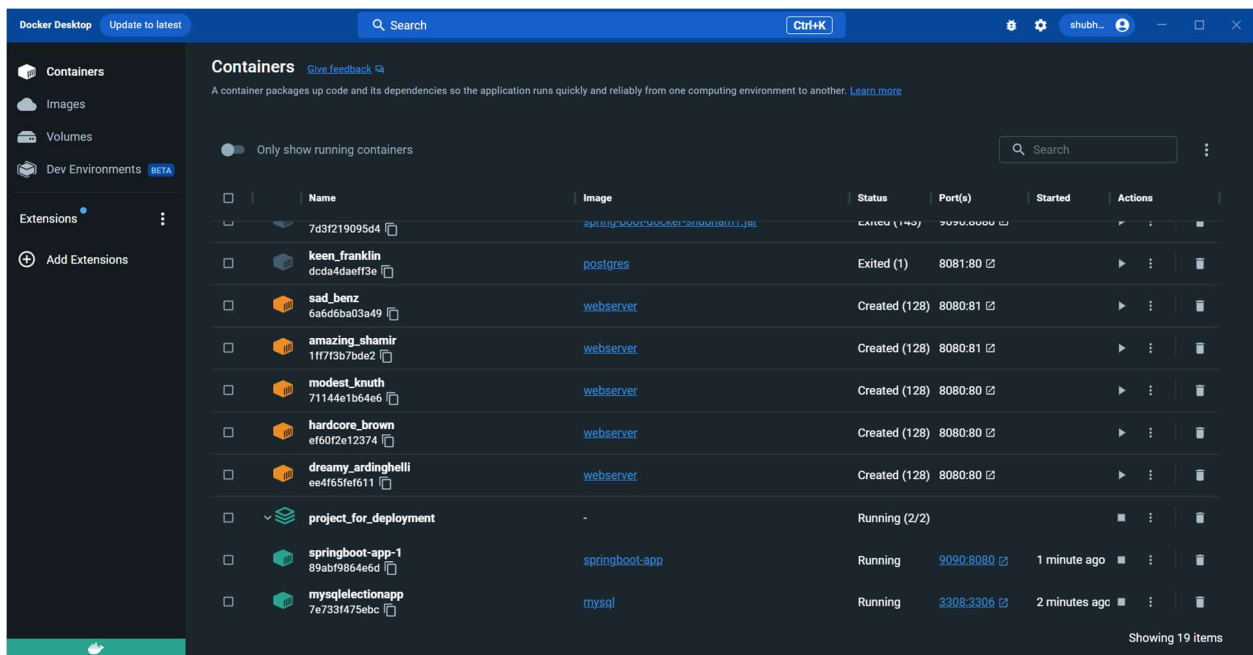
The screenshot shows the Eclipse IDE interface. The left sidebar displays the Project Explorer with a tree view of the project structure, including folders like 'src/main/java', 'src/main/resources', and 'target'. The main editor area shows a Docker Compose file named 'docker-compose.yml' with the following content:

```

1 version: "3.8"
2
3 services:
4   springboot-app:
5     image: springboot-app
6     restart: always
7     build: .
8     ports:
9       - 9090:8080
10    environment:
11      MYSQL_HOST: mysqlselectionapp
12      MYSQL_USER: root
13      MYSQL_PASSWORD: root
14      MYSQL_PORT: 3306
15
16   mysql:
17     container_name: mysqlselectionapp
18     image: mysql
19     ports:
20       - 3308:3306
21     environment:
22       MYSQL_DATABASE: test
23       MYSQL_ROOT_PASSWORD: root

```

The bottom console window shows the output of the application, including logs from the JtaPlatformInitiator, EntityManagerFactoryBean, and HikariDataSource. The logs indicate that the application is running successfully and that the HikariDataSource is initialized and shutdown correctly.



```
C:\Windows\System32\cmd.exe - docker-compose up --build
Unable to connect to the server: dial tcp 127.0.0.1:56126: connect: No connection could be made because the target machine actively refused it.

C:\Users\Admin\Desktop\Project For Deployment\Project_for_deployment>docker ps
CONTAINER ID   IMAGE          COMMAND                  CREATED      STATUS      PORTS
6601134f5b9   springboot-app "java -jar /spring-b..." 2 hours ago  Up 8 minutes  0.0.0.0:9090->8080/tcp
43c6f615b5ff   mysql         "docker-entrypoint.s..." 2 hours ago  Up 8 minutes  33060/tcp, 0.0.0.0:3308->3306/tcp

C:\Users\Admin\Desktop\Project For Deployment\Project_for_deployment>docker-compose down
[+] Running 3/3
 - Container mysqlselectionapp      Removed          6.5s
 - Container project_for_deployment-springboot-app-1 Removed          3.4s
 - Network project_for_deployment_default Removed          0.4s

C:\Users\Admin\Desktop\Project For Deployment\Project_for_deployment>docker-compose up
[+] Running 0/0
 - Network project_for_deployment_default Creating          0.1s
time="2023-04-27T16:16:51+05:30" level=warning msg="container 5412f5b1dfc8e66ffa9915591665b6ed68dcdbcdadefafad2f0c7173ef72c84 is missing com.docker.compose.container-number label: "
time="2023-04-27T16:16:51+05:30" level=warning msg="container 5412f5b1dfc8e66ffa9915591665b6ed68dcdbcdadefafad2f0c7173ef72c84 has invalid com.docker.compose.container-number label: "
time="2023-04-27T16:16:51+05:30" level=warning msg="container 473b709bbdc5eb2a8faecbbe9f5bd79df1e820cf418186422d5e5722cb117f33 is missing com.docker.compose.container-number label: "
time="2023-04-27T16:16:51+05:30" level=warning msg="container 473b709bbdc5eb2a8faecbbe9f5bd79df1e820cf418186422d5e5722cb117f33 has invalid com.docker.compose.container-number label: "
time="2023-04-27T16:16:51+05:30" level=warning msg="container e9042bcbefcdbeaf618cba2ea3a7d8db53056e41994454f76e18fb449f91d622 is missing com.docker.compose.container-number label: "
time="2023-04-27T16:16:51+05:30" level=warning msg="container e9042bcbefcdbeaf618cba2ea3a7d8db53056e41994454f76e18fb449f91d622 has invalid com.docker.comp - Network project_for_deployment_default Created
[+] Running 1/37T16:16:51+05:30" level=warning msg="container e9042bcbefcdbeaf618cba2ea3a7d8db53056e41994454f76e18fb449f91d622 is missing com.docker.comp - Network project_for_deployment_default Created
 - Container mysqlselectionapp      Creating          0.1s
 - Container hardcore_bond         Recreate         0.2s
strconv.Atoi: parsing "": invalid syntax
 - Container hardcore_bond         Recreate         0.2s

C:\Users\Admin\Desktop\Project For Deployment\Project_for_deployment>docker-compose down
[+] Running 2/2
 - Container mysqlselectionapp      Removed          0.8s
 - Network project_for_deployment_default Removed          0.3s

C:\Users\Admin\Desktop\Project For Deployment\Project_for_deployment>docker images
REPOSITORY      TAG              IMAGE ID          CREATED          SIZE
springboot-app   latest          f454526a221c     2 hours ago     515MB
spring-boot-docker-full-final.jar latest          6ee1d1767120     27 hours ago     515MB
spring-boot-docker-admin.jar latest          e97bbffaf744     46 hours ago     515MB
spring-boot-docker-shubham1.jar latest          ab91bf5cc4d8     4 days ago       493MB
image1           latest          380475a76b13     6 days ago       179MB
mysql            latest          8189e588b0e8     9 days ago       564MB
gcr.io/k8s-minikube/kicbase v0.0.39         67ad01130a2d     3 weeks ago      1.05GB
postgres         latest          6044af29582c     2 months ago     40.7MB
webserver        latest          6044af29582c     2 months ago     40.7MB
<none>           <none>          732bc5a8317c     2 months ago     40.7MB
postgres         <none>          9f3ec01f884d     3 months ago     379MB
nginx            latest          a99a3b0d706f     3 months ago     142MB
hubproxy.docker.internal:5000/docker/desktop-kubernetes v1.25.4         2511e1796e7d     4 months ago     398MB
registry.k8s.io/kube-apiserver v1.25.4         00631e54acba     5 months ago     128MB
registry.k8s.io/kube-scheduler v1.25.4         e2d17ec744c1     5 months ago     50.6MB
registry.k8s.io/kube-proxy v1.25.4         2c2bc1864279     5 months ago     61.7MB
```

```
docker/desktop-storage-provisioner v2.0 99f89471f70 2 years ago 41.9MB
```

```
[+] Building 6-7s (8/8) FINISHED
=> [internal] load build definition from Dockerfile
=> => transferring dockerfile: 32B
=> [internal] load .dockerignore
=> => transferring context: 2B
=> [internal] load metadata for docker.io/library/openjdk:17
=> [auth] library/openjdk:pull token for registry-1.docker.io
=> [internal] load build context
=> => transferring context: 43.78MB
=> CACHED [1/2] FROM docker.io/library/openjdk:17@sha256:5287b7081fdb9562eb819128a9f85ae7fe00e2fbacaf9f87662e7b3f38cb7d8
=> [2/2] ADO target=spring-boot-docker.jar spring-boot-docker.jar
=> exporting to image
=> => exporting layers
=> => writing image sha256:7639f8c907f149575679bd73298aa729019be8b061896c99686e45e566dfe
=> => naming to docker.io/library/springboot-app
[+] Image 1/1
- Network project_for_deployment_default Created
- Container mysqllectionapp Created
- Container project_for_deployment-springboot-app-1 Created
Attaching to mysqllectionapp, project_for_deployment-springboot-app-1
mysqllectionapp
2023-04-27 10:48:54:00 [Note] [Entrypoint]: Entrypoint script for MySQL Server 8.0.33-1.el8 started.
mysqllectionapp
2023-04-27 10:48:55:00:00 [Note] [Entrypoint]: Switching to dedicated user 'mysql'
mysqllectionapp
2023-04-27 10:48:55:00:00 [Note] [Entrypoint]: Entrypoint script for MySQL Server 8.0.33-1.el8 started.
mysqllectionapp
2023-04-27 10:48:56:00:00 [Note] [Entrypoint]: Initializing database files
mysqllectionapp
2023-04-27T10:48:56.182341Z 0 [Warning] [MY-011068] [Server] The syntax '--skip-host-cache' is deprecated and will be removed in a future release. Please use SET @@host_cache_size=0 instead.
mysqllectionapp
2023-04-27T10:48:56.183422 Z 0 [System] [MY-013169] [Server] /usr/sbin/mysqld (mysqld 8.0.33) initializing of server in progress as process 80
mysqllectionapp
2023-04-27T10:48:56.217825 Z 1 [System] [MY-013576] [InnoDB] InnoDB initialization has started.
project_for_deployment-springboot-app-1
project_for_deployment-springboot-app-1
project_for_deployment-springboot-app-1
project_for_deployment-springboot-app-1
project_for_deployment-springboot-app-1
project_for_deployment-springboot-app-1
project_for_deployment-springboot-app-1
project_for_deployment-springboot-app-1
project_for_deployment-springboot-app-1
:: Spring Boot :: (v3.0.6)
project_for_deployment-springboot-app-1
2023-04-27T10:48:56.678Z INFO 1 --- [ main] c.e.d.ProjectForDeploymentApplication : Starting ProjectForDeploymentApplication v0.0.1-SNAPSHOT using J
project_for_deployment-springboot-app-1
2023-04-27T10:48:56.684Z INFO 1 --- [ main] c.e.d.ProjectForDeploymentApplication : No active profile set, falling back to default profile: "default"
project_for_deployment-springboot-app-1
2023-04-27T10:48:57.724Z INFO 1 --- [ main] j.s.d.r.c.RepositoryConfigurationDelegate : Bootstrapping Spring Data JPA repositories in DEFAULT mode.
project_for_deployment-springboot-app-1
2023-04-27T10:48:57.865Z INFO 1 --- [ main] j.s.d.r.c.RepositoryConfigurationDelegate : Finished Spring Data repository scanning in 124 ms. Found 1 JPA
tory interfaces.
mysqllectionapp
2023-04-27T10:48:58.322252 Z 1 [System] [MY-013577] [InnoDB] InnoDB initialization has ended.
project_for_deployment-springboot-app-1
2023-04-27T10:48:58.781Z INFO 1 --- [ main] o.s.b.w.embedded.tomcat.TomcatWebServer : Tomcat initialized with port(s): 8080 (http)
project_for_deployment-springboot-app-1
2023-04-27T10:48:58.880Z INFO 1 --- [ main] o.apache.catalina.core.StandardService : Starting service [Tomcat]
project_for_deployment-springboot-app-1
2023-04-27T10:48:58.881Z INFO 1 --- [ main] o.apache.catalina.core.StandardEngine : Starting Servlet engine: [Apache Tomcat/10.1.8]
project_for_deployment-springboot-app-1
at com.mysql.cj.jdbc.ConnectionImpl.createNewIO(ConnectionImpl.java:948) ~[mysql-conector-j-8.0.31.jar!/:8.0.31]
project_for_deployment-springboot-app-1
at com.mysql.cj.jdbc.ConnectionImpl.createNewIO(ConnectionImpl.java:818) ~[mysql-conector-j-8.0.31.jar!/:8.0.31]
... 56 common frames omitted
Caused by: java.net.ConnectException: Connection refused
at java.base/sun.nio.ch.Net.pollConnect(Native Method) ~[na:na]
at java.base/sun.nio.ch.Net.pollConnectNow(Net.java:672) ~[na:na]
at java.base/sun.nio.ch.NioSocketImpl.timedFinishConnect(NioSocketImpl.java:542) ~[na:na]
at java.base/sun.nio.ch.NioSocketImpl.connect(NioSocketImpl.java:597) ~[na:na]
at java.base/java.net.SocksSocketImpl.connect(SocksSocketImpl.java:327) ~[na:na]
at java.base/java.net.Socket.connect(Socket.java:633) ~[na:na]
at com.mysql.cj.protocol.StandardSocketFactory.connect(StandardSocketFactory.java:153) ~[mysql-conector-j-8.0.31.jar!/:8.0.31]
project_for_deployment-springboot-app-1
at com.mysql.cj.protocol.a.NativeSocketConnection.connect(NativeSocketConnection.java:63) ~[mysql-conector-j-8.0.31.jar!/:8.0.31]
... 59 common frames omitted
project_for_deployment-springboot-app-1
2023-04-27T10:49:31.475Z INFO 1 --- [ main] o.hibernate.jpa.internal.util.LogHelper : HHH000204: Persisting PersistenceUnitInfo [name: default]
project_for_deployment-springboot-app-1
2023-04-27T10:49:31.674Z INFO 1 --- [ main] org.hibernate.Version : HHH000412: Hibernate ORM core version 6.1.7.Final
project_for_deployment-springboot-app-1
2023-04-27T10:49:31.91463 Z 0 [Warning] [MY-010608] [Server] CA certificate ca.pem is self signed.
project_for_deployment-springboot-app-1
2023-04-27T10:49:31.914590 Z 0 [System] [MY-013602] [Server] Channel mysql main configured to support TLS. Encrypted connections are now supported for this channel.
project_for_deployment-springboot-app-1
2023-04-27T10:49:31.924392 Z 0 [Warning] [MY-011810] [Server] Insecure configuration for --pid-file: Location '/var/run/mysqld/' in the path is accessible to all OS u
Consider choosing a different directory.
mysqllectionapp
2023-04-27T10:49:31.974921 Z 0 [System] [MY-011323] [Server] X Plugin ready for connections. Bind-address: '::' port: 33060, socket: /var/run/mysqld/mysqlx.sock
mysqllectionapp
2023-04-27T10:49:31.97567 Z 0 [System] [MY-010931] [Server] /usr/sbin/mysqld: ready for connections. Version: '8.0.33' socket: '/var/run/mysqld/mysqld.sock' port: 33060 MySQL Server - GPL
project_for_deployment-springboot-app-1
2023-04-27T10:49:32.211Z INFO 1 --- [ main] com.zaxxer.hikari.HikariDataSource : HikariPool-1 - Starting ...
project_for_deployment-springboot-app-1
2023-04-27T10:49:32.559Z INFO 1 --- [ main] com.zaxxer.hikari.pool.HikariPool : HikariPool-1 - Added connection com.mysql.cj.jdbc.ConnectionImpl@
project_for_deployment-springboot-app-1
2023-04-27T10:49:32.563Z INFO 1 --- [ main] com.zaxxer.hikari.HikariDataSource : HikariPool-1 - Start completed.
project_for_deployment-springboot-app-1
2023-04-27T10:49:32.678Z INFO 1 --- [ main] SQL dialect : HHH000400: Using dialect: org.hibernate.dialect.MySQLDialect
project_for_deployment-springboot-app-1
2023-04-27T10:49:33.601Z INFO 1 --- [ main] o.h.e.t.j.p.i.jpataPlatformInitiator : HHH000490: Using JtaPlatform implementation: [org.hibernate.engine
action.jta.platform.internal.NoJtaPlatform]
project_for_deployment-springboot-app-1
2023-04-27T10:49:33.617Z INFO 1 --- [ main] j.LocalContainerEntityManagerFactoryBean : Initialized JPA EntityManagerFactory for persistence unit 'default'
project_for_deployment-springboot-app-1
2023-04-27T10:49:34.575Z INFO 1 --- [ main] o.s.b.w.embedded.tomcat.TomcatWebServer : Tomcat started on port(s): 8080 (http) with context path ''
project_for_deployment-springboot-app-1
2023-04-27T10:49:34.600Z INFO 1 --- [ main] c.e.d.ProjectForDeploymentApplication : Started ProjectForDeploymentApplication in 7.578 seconds (process
ng for 8.537s)
project_for_deployment-springboot-app-1
2023-04-27T10:49:56.291Z INFO 1 --- [nio-8080-exec-1] o.a.c.c.C.[Tomcat].[localhost].[/] : Initializing Spring DispatcherServlet 'dispatcherServlet'
project_for_deployment-springboot-app-1
2023-04-27T10:49:56.293Z INFO 1 --- [nio-8080-exec-1] o.s.web.servlet.DispatcherServlet : Initializing Servlet 'dispatcherServlet'
project_for_deployment-springboot-app-1
2023-04-27T10:49:56.299Z INFO 1 --- [nio-8080-exec-1] o.s.web.servlet.DispatcherServlet : Completed initialization in 6 ms
Successfully stopping... (press Ctrl+C again to force)
Stopping on container exit...
Container project_for_deployment-springboot-app-1 Stopped
Container mysqllectionapp Stopped
Cancelled
```