



```
services.server.build must be a string
C:\Users\User\Downloads\demo>docker-compose up

[+] Building 2.4s (2/3)

=> [internal] load build definition from Dockerfile

[+] Building 2.7s (2/3)

=> [internal] load build definition from Dockerfile

[+] Building 2.8s (2/3)

=> [internal] load build definition from Dockerfile

[+] Building 5.7s (8/8) FINISHED

=> [internal] load build definition from Dockerfile

=> > transferring dockerfile: 1268
                                                                                                                                                                                                                                                                                                    0.0so => [internal] load metadata for docker.io/libra
ry/openjdk:17 4.7s

=> [auth] library/openjdk:pull token for registry-1.docker.io

=> [internal] load build context

=> => transferring context: 22.65MB

=> CACHED [1/2] FROM docker.io/library/openjdk:17@sha256:528707081fdb9562eb819128a9f85ae7fe000e2fbaeaf9f87662e7b

=> [2/2] ADD target/*.jar demoapp.jar

=> exporting to image

=> => exporting layers

=> => writing image sha256:8c06caf778aba61901717b2c0f8a941eef5aeb4e4acfa60040dad8dd75dc4205

=> => naming to docker.io/library/demo-server

[=| Running 2/2
                                                                                                                                                                                                                                                                                                      0.05
                                                                 Created
1 Created
      Network demo_default
© Container demo-server-1
Attaching to demo-server-1
demo-server-1
demo-server-1
demo-server-1
demo-server-1
demo-server-1
demo-server-1
                                            :: Spring Boot ::
                                          2023-04-28T05:02:03.163Z INFO 1 --- [
                                                                                                                                                                                                                                                                                                : Starting DemoApplication v0.0.1-SNAPSHOT using Java 1
                                                                                                                                                                       main] com.example.demo.DemoApplication
7.0.2 with PID 1 (/demoapp.jar started by root in /)
demo-server-1 | 2023-04-28T05:02:03.174Z INFO 1 --- [
                                                                                                                                                                        main] com.example.demo.DemoApplication
                                                                                                                                                                                                                                                                                                : No active profile set, falling back to 1 default prof
demo-server-1
ile: "default"
                                         2023-04-28T05:02:05.544Z
2023-04-28T05:02:05.575Z
2023-04-28T05:02:05.576Z
2023-04-28T05:02:05.759Z
2023-04-28T05:02:05.765Z
                                                                                                           INFO 1 --- [
                                                                                                                                                                       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 :
                                                                                                                                                                                                                                                                                                     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
demo-server-1
demo-server-1
```

C:\Windows\System32\cmd.exe - docker-compose up

```
C:\Users\User\Downloads\demo>docker-compose up --build
|+] Building 2.3s (2/3)
|+] Building 2.6s (2/3)
|+] Building 2.7s (2/3)
|+] Building 2.7s (2/3)
|+] Building 7.5s (3/8) FINISHED
|=> [internal] load build definition from Dockerfile
|=> > transferring dockerfile: 31B
|>> [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: 80B
|=> [1/2] FROM docker.io/library/openjdk:17@sha256:528707081fdb9562eb819128a9f85ae7fe000e2fbaeaf9f87662e7b3f38cb7d8
|=> cACHED [2/2] ADD target/*.jar demoapp.jar
|=> exporting to image
|=> => writing image sha256:8c06caf778aba61901717b2c0f8a941eef5aeb4e4acfa60040dad8dd75dc4205
|=> > naming to docker.io/library/img
|=| Running 1/1 |= Container damo.server-1 | Recreated |= Container damo.server-1 |= Conta
       Container demo-server-1 Recreated
Attaching to demo-server-1
demo-server-1
demo-server-1
demo-server-1
demo-server-1
demo-server-1
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demo-server-1
demo-server-1
                                                                                                                                                                                                              /_/_/
(v3.0.6)
                                                                        :: Spring Boot ::
                                                                  2023-04-28T05:14:23.228Z INFO 1 --- [ (/demoapp.jar started by root in /) 2023-04-28T05:14:23.237Z INFO 1 --- [
demo-server-1 |
7.0.2 with PID 1
                                                                                                                                                                                                                                                                           main] com.example.demo.DemoApplication
                                                                                                                                                                                                                                                                                                                                                                                                                                                                          : Starting DemoApplication v0.0.1-SNAPSHOT using Java 1
                                                                                                                                                                                                                                                                           main] com.example.demo.DemoApplication
                                                                                                                                                                                                                                                                                                                                                                                                                                                                           : No active profile set, falling back to 1 default prof
demo-server-1
ile: "default"
                                                                                                                                                                                                                                                                         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].[/] : Initializing Spring embedded WebApplicationContext
main] w.s.c.ServletWebServerApplicationContext : Root WebApplicationContext: initialization completed
                                                                  2023-04-28T05:14:25.398Z
2023-04-28T05:14:25.427Z
2023-04-28T05:14:25.427Z
2023-04-28T05:14:25.587Z
                                                                                                                                                                          INFO 1 --- [
INFO 1 --- [
INFO 1 --- [
INFO 1 --- [
demo-server-1
demo-server-1
demo-server-1
demo-server-1
demo-server-1
in 2225 ms
                                                                  2023-04-28T05:14:25.595Z
demo-server-1 | 2023-04-28T05:14:25.737Z INFO 1 --- [ main] f.a.AutowiredAnnotationBeanPostProcessor : Autowired annotation should only be used on methods w ith parameters: public java.lang.String com.example.demo.controller.UserController.viewRegistration() demo-server-1 | 2023-04-28T05:14:26.829Z INFO 1 --- [ main] o.s.b.w.embedded.tomcat.TomcatWebServer : Tomcat started on port(s): 8080 (http) with context p ath ''
```

C:\Windows\System32\cmd.exe - docker-compose up --scale boot-compose-app=5

```
demo-boot-compose-app-1 | 2023-04-28T06:51:54.760Z INFO 1 --- [ main] f.a.AutowiredAnnotationBeanPostProcessor : Autowired annotation should only be used on methods with parameters: public java.lang.String com.example.demo.controller.UserController.viewRegistration()

demo-boot-compose-app-1 | 2023-04-28T06:51:55.457Z INFO 1 --- [ main] o.s.b.w.embedded.tomcat.TomcatWebServer : Tomcat started on port(s): 8080 (http) with context path ''
context path
demo-boot-compose-app-1 rocess running for 4.382)
                                                                      2023-04-28T06:51:55.489Z INFO 1 --- [
                                                                                                                                                                                                                           main] com.example.demo.DemoApplication
                                                                                                                                                                                                                                                                                                                                                                    : Started DemoApplication in 3.817 seconds (p
demo-boot-comp
atcherServlet'
                                         ose-app-1 | 2023-04-28T06:52:03.470Z INFO 1 --- [nio-8080-exec-1] o.a.c.c.C.[Tomcat].[localhost].[/]
                                                                                                                                                                                                                                                                                                                                                                    : Initializing Spring DispatcherServlet 'disp

        demo-boot-compose-app-1
        2023-04-28T06:52:03.470Z
        INFO 1 --- [nio-8080-exec-1] o.s.web.servlet.DispatcherServlet

        demo-boot-compose-app-1
        2023-04-28T06:52:03.473Z
        INFO 1 --- [nio-8080-exec-1] o.s.web.servlet.DispatcherServlet

                                                                                                                                                                                                                                                                                                                                                                    : Initializing Servlet 'dispatcherServlet'
: Completed initialization in 2 ms
C:\Users\User\Downloads\demo>docker-compose up --scale boot-compose-app=5
time="2023-04-28T12:23:39+05:30" level=warning msg="Found orphan containers ([demo-server-1]) for this project. If you removed or renamed this service in your compose f
ile, you can run this command with the --remove-orphans flag to clean it up."
      Container demo-boot-compose-app-1 Recreated
Container demo-boot-compose-app-5 Created
      Container demo-boot-compose-app-2
       Container demo-boot-compose-app-
© Container demo-boot-compose-app-4 Created

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C:\Users\User\Downloads\demo>docker-compose up --scale boot-compose-app=5
time="2023-04-28T12:25:04+05:30" level=warning msg="Found orphan containers ([demo-server-1]) for this project. If you removed or renamed this service in your compose f
ile, you can run this command with the --remove-orphans flag to clean it up."
      Container demo-boot-compose-app-5
      Container demo-boot-compose-app-1
      Container demo-boot-compose-app-2
Container demo-boot-compose-app-4
© Container demo-boot-compose-app-3 Recreated

E Container demo-boot-compose-app-3 Recreated

Attaching to demo-boot-compose-app-1, demo-boot-compose-app-2, demo-boot-compose-app-3, demo-boot-compose-app-4, demo-boot-compose-app-5

Error response from daemon: Ports are not available: exposing port TCP 0.0.0.0:7680 -> 0.0.0.0:0: listen tcp 0.0.0.0:7680: bind: Only one usage of each socket address (protocol/network address/port) is normally permitted.
C:\Users\User\Downloads\demo>docker-compose down
       Container demo-boot-compose-app-3
      Container demo-boot-compose-app-1
Container demo-boot-compose-app-4
Container demo-boot-compose-app-5
Container demo-boot-compose-app-2
```

ws\System32\cmd.exe - docker-compose up --scale boot-compose-app=5

completed in 2046 ms

```
eno_default Creating
0.0s
2/28T12:26:59+05:30" level=warning msg="Found orphan containers ([demo-server-1]) for this project. If you removed or renamed this service in your compose f
  Network demo_default
  Network demo_default
Container demo-boot-compose-app-1
Attaching to demo-boot-compose-app-1

Error response from daemon: Ports are not available: exposing port TCP 0.0.0.0:7680 -> 0.0.0.0:0: listen tcp 0.0.0.0:7680: bind: Only one usage of each socket address (
protocol/network address/port) is normally permitted.
C:\Users\User\Downloads\demo>
C:\Users\User\Downloads\demo>docker-compose down
  Container demo-boot-compose-app-1 Removed
Network demo_default Removed
   Network demo_default
C:\Users\User\Downloads\demo>docker-compose up --scale boot-compose-app=5
  [+] Running 0/0
  - Network demo_default
  Container demo-boot-compose-app-3
Container demo-boot-compose-app-1
   Container demo-boot-compose-app-2
  Container demo-boot-compose-app-5
Attaching to demo-boot-co
                             mpose-app-1, demo-boot-compose-app-2, demo-boot-compose-app-3, demo-boot-compose-app-4, demo-boot-compose-app-5
                                                                      /_/_/_/
(v3.0.6)
demo-boot-compose-app-1
                              2023-04-28T06:58:06.513Z INFO 1 --- [ (/demoapp.jar started by root in /) 2023-04-28T06:58:06.520Z INFO 1 --- [
                                                                                       main] com.example.demo.DemoApplication
                                                                                                                                              : Starting DemoApplication v0.0.1-SNAPSHOT us
ing Java 17.0.2 with PID 1
demo-boot-compose-app-1
fault profile: "default"
                                                                                        main] com.example.demo.DemoApplication
                                                                                                                                              : No active profile set, falling back to 1 de
                              2023-04-28T06:58:10.687Z INFO 1 --- [
                                                                                       main] o.s.b.w.embedded.tomcat.TomcatWebServer
                                                                                                                                              : Tomcat initialized with port(s): 8080 (http
                              2023-04-28T06:58:10.719Z INFO 1 --- 2023-04-28T06:58:10.720Z INFO 1 ---
                                                                                       main] o.apache.catalina.core.StandardService
main] o.apache.catalina.core.StandardEngine
                                                                                                                                              : Starting service [Tomcat]
: Starting Servlet engine: [Apache Tomcat/10.
1.8]
                            2023-04-28T06:58:10.959Z INFO 1 --- [
                                                                                       main] o.a.c.c.C.[Tomcat].[localhost].[/]
                                                                                                                                              : Initializing Spring embedded WebApplication
```

[+] Running 0/0

```
2023-04-28T06:58:58.370Z INFO 1
                                                                                                   main] f.a.AutowiredAnnotationBeanPostProcessor : Autowired annotation should only be used on
                                 public java.lang.String com.example.dem
| 2023-04-28T06:58:59.474Z INFO 1 --- [
                                                                                     o.controller.UserController.viewRegistration()
main] o.s.b.w.embedded.tomcat.TomcatWebServer
methods with parameters:
                                                                                                                                                                 : Tomcat started on port(s): 8080 (http) with
context path ''
                                  2023-04-28T06:58:59.893Z INFO 1 --- [
                                                                                                   main] com.example.demo.DemoApplication
                                                                                                                                                                 : Started DemoApplication in 6.895 seconds (p
ocess running for 8.979)
                                  2023-04-28T06:59:04.438Z
                                                                    INFO 1 --- [nio-8080-exec-1] o.a.c.c.C.[Tomcat].[localhost].[/]
                                                                                                                                                                 : Initializing Spring DispatcherServlet 'disp
                   se-app-1
atcherServlet
                                                                                                                                                                  : Initializing Servlet 'dispatcherServlet'
: Completed initialization in 4 ms
: Initializing Spring DispatcherServlet 'disp
                                   2023-04-28T06:59:04.440Z
                                                                     INFO 1 --- [nio-8080-exec-1] o.s.web.servlet.DispatcherServlet
                                  2023-04-28T06:59:04.445Z
2023-04-28T06:59:13.633Z
demo-boot-compose-app-1
                                                                    INFO 1 --- [nio-8080-exec-1] o.s.web.servlet.DispatcherServlet
INFO 1 --- [nio-8080-exec-1] o.a.c.c.C.[Tomcat].[localhost].[/]
atcherServlet'
                                  2023-04-28T06:59:13.634Z
2023-04-28T06:59:13.643Z
                                                                                                                                                                   Initializing Servlet 'dispatcherServlet' Completed initialization in 9 ms
                                                                     INFO 1 --- [nio-8080-exec-1] o.s.web.servlet.DispatcherServlet
INFO 1 --- [nio-8080-exec-1] o.s.web.servlet.DispatcherServlet
                                                  I_)
                                                                                _/_/_/
(v3.0.6)
                                       Spring Boot ::
                                   2023-04-28T06:59:44.798Z
                                                                    INFO 1 --- [
                                                                                                   main] com.example.demo.DemoApplication
                                                                                                                                                                 : Starting DemoApplication v0.0.1-SNAPSHOT us
ing Java 17.0.2 with PID 1
                                  (/demoapp.jar started by 2023-04-28T06:59:44.809Z
                                                                    root in /)
INFO 1 --- [
                                                                                                   mainl com.example.demo.DemoApplication
                                                                                                                                                                 : No active profile set, falling back to 1 de
fault profile: "default"
                                                                                                                                                                 : Tomcat initialized with port(s): 8080 (http
                                  2023-04-28T06:59:47.652Z INFO 1 --- [
                                                                                                   main] o.s.b.w.embedded.tomcat.TomcatWebServer
                                  2023-04-28T06:59:47.683Z
2023-04-28T06:59:47.684Z
                                                                                                   main] o.apache.catalina.core.StandardService
main] o.apache.catalina.core.StandardEngine
                                                                                                                                                                 : Starting service [Tomcat]: Starting Servlet engine: [Apache Tomcat/10.
                                                                     INFO 1 ---
1.8]
                                  2023-04-28T06:59:47.964Z INFO 1 --- [
                                                                                                   main] o.a.c.c.C.[Tomcat].[localhost].[/]
                                                                                                                                                                 : Initializing Spring embedded WebApplication
Context
                                   2023-04-28T06:59:47.976Z INFO 1 --- [
                                                                                                   \verb|main|| w.s.c.ServletWebServerApplicationContext: Root WebApplicationContext: initialization\\
completed in 2980 ms
                                | 2023-04-28T06:59:48.173Z INFO 1 --- [ main] f.a.AutowiredAnnotationBeanPostProcessor : Autowired annotation should only be used on public java.lang.String com.example.demo.controller.UserController.viewRegistration() | 2023-04-28T06:59:49.428Z INFO 1 --- [ main] o.s.b.w.embedded.tomcat.TomcatWebServer : Tomcat started on port(s): 8080 (http) with
methods with parameters:
context path ''
                                   2023-04-28T06:59:49.476Z INFO 1 --- [
                                                                                                   main] com.example.demo.DemoApplication
                                                                                                                                                                 : Started DemoApplication in 6.007 seconds (p
rocess running for 8.035)
                                            ___,
```

```
2023-04-28T06:59:47.652Z INFO 1 --- [
                                                                                             main] o.s.b.w.embedded.tomcat.TomcatWebServer
                                                                                                                                                      : Tomcat initialized with port(s): 8080 (http
                                                                                             main] o.apache.catalina.core.StandardService
main] o.apache.catalina.core.StandardEngine
                                                                                                                                                         Starting service [Tomcat]
Starting Servlet engine: [Apache Tomcat/10.
                                2023-04-28T06:59:47.683Z
2023-04-28T06:59:47.684Z
                                                                 TNFO 1 ---
1.8]
                                2023-04-28T06:59:47.964Z INFO 1 --- [
                                                                                             main] o.a.c.c.C.[Tomcat].[localhost].[/]
                                                                                                                                                       : Initializing Spring embedded WebApplication
                                2023-04-28T06:59:47.976Z INFO 1 --- [
                                                                                             main] w.s.c.ServletWebServerApplicationContext : Root WebApplicationContext: initialization
completed in 2980 ms
                                                                                   main] f.a.AutowiredAnnotationBeanPostProcessor : Autowired annotation should only be used on
controller.UserController.viewRegistration()
    main] o.s.b.w.embedded.tomcat.TomcatWebServer : Tomcat started on port(s): 8080 (http) with
                                2023-04-28T06:59:48.173Z INFO 1 --- [
public java.lang.String com.example.dem
                               public java.lang.String com.example.dem
| 2023-04-28T06:59:49.428Z INFO 1 --- [
methods with parameters:
                                2023-04-28T06:59:49.476Z INFO 1 --- [
                                                                                             main] com.example.demo.DemoApplication
                                                                                                                                                       : Started DemoApplication in 6.007 seconds (p
rocess running for 8.035)
                                 2023-04-28T07:00:32.723Z INFO 1 --- [
                                                                                             main] com.example.demo.DemoApplication
                                                                                                                                                        : Starting DemoApplication v0.0.1-SNAPSHOT us
ing Java 17.0.2 with PID 1
                                 (/demoapp.jar started by 2023-04-28T07:00:32.732Z
                                                                 INFO 1
                                                                                             main] com.example.demo.DemoApplication
                                                                                                                                                        : No active profile set, falling back to 1 de
fault profile: "default
                                2023-04-28T07:00:36.466Z INFO 1 --- [
                                                                                             main] o.s.b.w.embedded.tomcat.TomcatWebServer
                                                                                                                                                       : Tomcat initialized with port(s): 8080 (http
                                2023-04-28T07:00:36.514Z
2023-04-28T07:00:36.515Z
                                                                                             main] o.apache.catalina.core.StandardService
main] o.apache.catalina.core.StandardEngine
                                                                                                                                                        : Starting service [Tomcat]
: Starting Servlet engine: [Apache Tomcat/10.
                                                                INFO 1
INFO 1
1.8]
                                2023-04-28T07:00:36.822Z INFO 1 --- [
                                                                                             main] o.a.c.c.C.[Tomcat].[localhost].[/]
                                                                                                                                                        : Initializing Spring embedded WebApplication
Context
                                2023-04-28T07:00:36.832Z INFO 1 --- [
                                                                                             main] w.s.c.ServletWebServerApplicationContext : Root WebApplicationContext: initialization
completed in 3936 ms
                                2023-04-28T07:00:37.059Z INFO 1 --- [
                                                                                             main] f.a.AutowiredAnnotationBeanPostProcessor : Autowired annotation should only be used on
                              public java.lang.String com.example.dem
| 2023-04-28T07:00:38.202Z INFO 1 --- [
                                                                                  .controller.UserController.viewRegistration()
main] o.s.b.w.embedded.tomcat.TomcatWebServer
methods with parameters:
                                                                                                                                                       : Tomcat started on port(s): 8080 (http) with
context path ''
                                2023-04-28T07:00:38.258Z INFO 1 --- [
                                                                                             main] com.example.demo.DemoApplication
                                                                                                                                                        : Started DemoApplication in 6.799 seconds (p
rocess running for 9.083)
```

