

```
Windows PowerShell
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PS C:\Users\Kavin M> docker images
REPOSITORY    TAG       IMAGE ID       CREATED        SIZE
jar-image1    latest   40cb11078242   35 minutes ago  408MB
jar-image     latest   40cb11078242   35 minutes ago  408MB
my-app        latest   40cb11078242   35 minutes ago  408MB
app-app-jar   latest   40cb11078242   35 minutes ago  408MB
web-app-war    latest   9296630d4c18   45 minutes ago  520MB
my-web        latest   9296630d4c18   45 minutes ago  520MB
war-app       latest   9296630d4c18   45 minutes ago  520MB
tomcat        9.0       148e4169be1a   10 days ago    520MB
hello-world   latest   74cc54e27dc4   7 weeks ago    10.1kB

PS C:\Users\Kavin M> docker ps
CONTAINER ID   IMAGE          COMMAND                  CREATED        STATUS        PORTS                    NAMES
5c842c1c95ce   web-app-war:latest "catalina.sh run"       7 minutes ago Up 7 minutes   8080/tcp                 nervous_tesla
61d71687e5a1   9296630d4c18   "catalina.sh run"       7 minutes ago Up 7 minutes   0.0.0.0:8086->8080/tcp   warapp1
7c7c630e82b6   9296630d4c18   "catalina.sh run"       15 minutes ago Up 15 minutes   0.0.0.0:8085->8080/tcp   demoapp
d483b1817073   my-web:latest    "catalina.sh run"       20 minutes ago Up 20 minutes   8080/tcp                 stoic_chatelet

PS C:\Users\Kavin M> docker kill 5c842c1c95ce
5c842c1c95ce
PS C:\Users\Kavin M> docker kill 61d71687e5a1
61d71687e5a1
PS C:\Users\Kavin M> docker ps
CONTAINER ID   IMAGE          COMMAND                  CREATED        STATUS        PORTS                    NAMES
7c7c630e82b6   9296630d4c18   "catalina.sh run"       16 minutes ago Up 16 minutes   0.0.0.0:8085->8080/tcp   demoapp
d483b1817073   my-web:latest    "catalina.sh run"       21 minutes ago Up 21 minutes   8080/tcp                 stoic_chatelet

PS C:\Users\Kavin M> docker kill 7c7c630e82b6
7c7c630e82b6
PS C:\Users\Kavin M>
>> docker kill d483b1817073
d483b1817073
PS C:\Users\Kavin M> docker ps
CONTAINER ID   IMAGE          COMMAND                  CREATED        STATUS        PORTS        NAMES
PS C:\Users\Kavin M> docker exec -it 61d71687e5a1 /bin/bash
```

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-  Volumes
-  Builds
-  Docker Hub
-  Docker Scout
-  Extensions

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Local Hub repositories

975.69 MB / 10.07 KB in use 3 Images


Last refresh: 4 hours ago 

Search




<input type="checkbox"/>	Name	Tag	Image ID	Created	Size	Actions
<input type="checkbox"/>	 jar-image	latest	40cb11078242	1 hour ago	407.75 MB	  
<input type="checkbox"/>	 war-app	latest	9296630d4c18	1 hour ago	520.04 MB	  
<input type="checkbox"/>	 web-app-war1	latest	4ee325e03838	12 minutes ag	47.9 MB	  

Showing 3 items

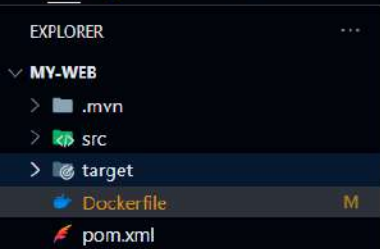
 Engine running



RAM 1.21 GB CPU 0.25% Disk: 2.16 GB used (limit 1006.85 GB)

> Terminal  New version available





```
Dockerfile > ...
8 # Copy the WAR file (converted to static content or built into HTML/CSS/JS) into the Nginx container
9 COPY **/*.war /usr/share/nginx/html/
10
11 # Expose port 80 (default for HTTP)
12 EXPOSE 80
13
14 # Start Nginx
15 CMD ["nginx", "-g", "daemon off;"]
16
```

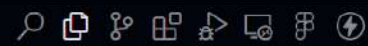
PROBLEMS 2 GITLENS AZURE PORTS OUTPUT DEBUG CONSOLE TERMINAL

C:\Users\Kavin M\Desktop\DevOps\my-web>docker images

REPOSITORY	TAG	IMAGE ID	CREATED	SIZE
web-app-war1	latest	4ee325e03838	39 seconds ago	47.9MB
my-app	latest	40cb11078242	54 minutes ago	408MB
app-app-jar	latest	40cb11078242	54 minutes ago	408MB
jar-image1	latest	40cb11078242	54 minutes ago	408MB
jar-image	latest	40cb11078242	54 minutes ago	408MB
my-web	latest	9296630d4c18	About an hour ago	520MB
war-app	latest	9296630d4c18	About an hour ago	520MB
web-app-war1	latest	4ee325e03838	39 seconds ago	47.9MB
my-app	latest	40cb11078242	54 minutes ago	408MB
app-app-jar	latest	40cb11078242	54 minutes ago	408MB
jar-image1	latest	40cb11078242	54 minutes ago	408MB
jar-image	latest	40cb11078242	54 minutes ago	408MB
my-web	latest	9296630d4c18	About an hour ago	520MB
war-app	latest	9296630d4c18	About an hour ago	520MB
my-web	latest	9296630d4c18	About an hour ago	520MB
war-app	latest	9296630d4c18	About an hour ago	520MB
my-web	latest	9296630d4c18	About an hour ago	520MB
war-app	latest	9296630d4c18	About an hour ago	520MB
web-app-war	latest	9296630d4c18	About an hour ago	520MB
tomcat	9.0	148e4169bela	10 days ago	520MB
hello-world	latest	74cc54e27dc4	7 weeks ago	10.1kB

C:\Users\Kavin M\Desktop\DevOps\my-web>docker ps

⚠ Command failed: java -DRHDA_TOKEN=3124c11c-3905-42ab-8aa4-1f...



EXPLORER

- DEVOPS
 - Day1
 - my-app
 - my-web
 - .mvn
 - src
 - target
 - Dockerfile
 - pom.xml
 - Tasks

Dockerfile

Day1 > my-web > Dockerfile > ...

Edit file using CodeParrot (ctrl+h)

```
1 FROM tomcat:9
2 COPY **/*.war /usr/local/tomcat/webapps/maven-web-app.war
3
4
5 ## Use the official Nginx image
6 # FROM nginx:alpine
7
8 ## Copy the WAR file (converted to static content or built into HTML/CSS/JS) into the Nginx container
9 # COPY **/*.war /usr/share/nginx/html/
10
11 ## Expose port 80 (default for HTTP)
12 # EXPOSE 80
13
14 ## Start Nginx
15 # CMD ["nginx", "-g", "daemon off;"]
```

PROBLEMS AZURE PORTS OUTPUT DEBUG CONSOLE TERMINAL

cmd + -

Microsoft Windows [Version 10.0.26100.3476]
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C:\Users\Kavin M\Desktop\DevOps>cd Day1

C:\Users\Kavin M\Desktop\DevOps\Day1>

OUTLINE

TIMELINE

MAVEN

0 0 RHDA analysis has failed

Ln 6, Col 15 Spaces: 4 UTF-8 CRLF {} Dockerfile Go Live Prettier



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 **Hello World!**



FileEditSelectionViewGoRunTerminalHelp

DevOps

EXPLORER

DEVOPS

Day1

my-app

my-web

.mvn

src

target

Dockerfile

pom.xml

Tasks

Day1 > my-web > Dockerfile > ...

Edit file using CodeParrot (ctrl+h)

FROM tomcat:9

COPY **/*.war /usr/local/tomcat/webapps/maven-web-app.war

Use the official Nginx image

FROM nginx:alpine

Copy the WAR file (converted to static content or built into HTML/CSS/JS) into the Nginx container

COPY **/*.war /usr/share/nginx/html/

Expose port 80 (default for HTTP)

EXPOSE 80

Start Nginx

CMD ["nginx", "-g", "daemon off;"]

Use Ubuntu as the base image

FROM ubuntu:latest

Install Apache (lightweight web server)

RUN apt update && apt install -y apache2 && apt clean

PROBLEMS

AZURE

PORTS

OUTPUT

DEBUG CONSOLE

TERMINAL

powershell

war-app

latest

9296630d4c18

20 hours ago

520MB

web-tomcat

latest

9296630d4c18

20 hours ago

520MB

PS C:\Users\Kavin M\Desktop\DevOps\Day1\my-web> docker run -itd -P 9296630d4c18

e28b4a487c68272a244b4ed11c720b8f001fc483e07643c46643c6798a622983

PS C:\Users\Kavin M\Desktop\DevOps\Day1\my-web> docker ps

CONTAINER ID	IMAGE	COMMAND	CREATED	STATUS	PORTS	NAMES
e28b4a487c68	9296630d4c18	"catalina.sh run"	12 seconds ago	Up 11 seconds	0.0.0.0:32774->8080/tcp	eager_almeida
1e1a8563fbe5	4ee325e03838	"/docker-entrypoint..."	2 minutes ago	Up 2 minutes	0.0.0.0:32773->80/tcp	admiring_williams
282cc44cb220	4f196b51e7eb	"/docker-entrypoint..."	14 hours ago	Up 14 hours	0.0.0.0:32772->80/tcp	kind_goodall
be19453b934e	dc104a3e200b	"/docker-entrypoint..."	14 hours ago	Up 14 hours	0.0.0.0:32771->80/tcp	elastic_burnell
4e2a224b88b2	5e20e7eeb167	"apachectl -D FOREGR..."	15 hours ago	Up 15 hours	0.0.0.0:327	
10f333f8198a	4ee325e03838	"/docker-entrypoint..."	19 hours ago	Up 19 hours	0.0.0.0:327	

PS C:\Users\Kavin M\Desktop\DevOps\Day1\my-web>

Command failed: java -DRHDA_TOKEN=3124c11c-3905-42ab-8aa4-1f...

< 0 0 RHDA analysis has failed

Ln 10, Col 1 Spaces: 4 UTF-8 CRLF Dockerfile Go Live Prettier