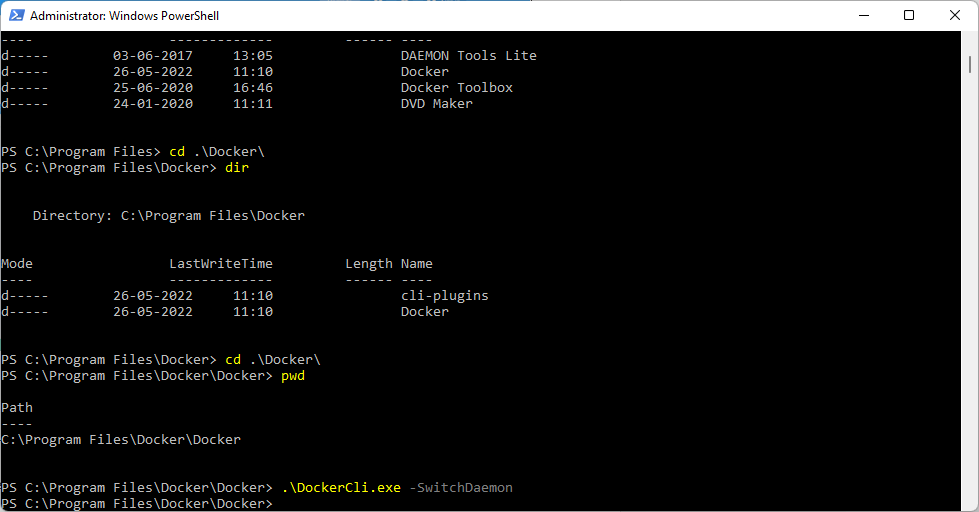
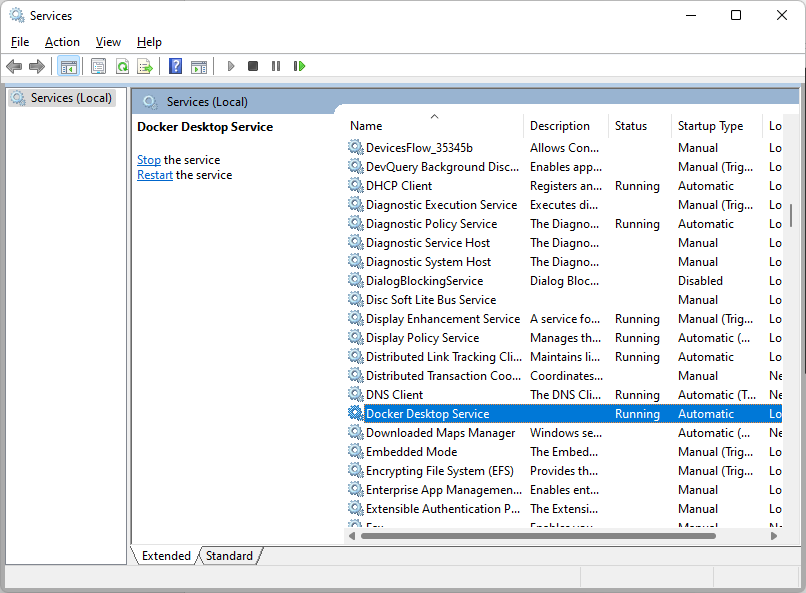
|  |
| --- |
|  |

Follow all the steps given below in the link:

<https://www.thecodebuzz.com/docker-error-daemon-is-not-running/>

Step 2:Make sure that below command in case of step 1 failed above.





Step 3:

|  |
| --- |
| H:\EclipseWorkspace2023\student-service>docker build -t student-service .  [+] Building 386.4s (13/13) FINISHED  => [internal] load build definition from Dockerfile 2.8s  => => transferring dockerfile: 440B 0.0s  => [internal] load .dockerignore 3.3s  => => transferring context: 2B 0.3s  => [internal] load metadata for docker.io/library/openjdk:17-alpine 7.3s  => [internal] load metadata for docker.io/library/maven:3.8.4-openjdk-17 6.9s  => [maven-builder 1/4] FROM docker.io/library/maven:3.8.4-openjdk-17@sha256:7106ce47b5c226ee21bac386cb706ff9f3d 87.1s  => => resolve docker.io/library/maven:3.8.4-openjdk-17@sha256:7106ce47b5c226ee21bac386cb706ff9f3db7ac2f15e251e3a 0.4s  => => sha256:7106ce47b5c226ee21bac386cb706ff9f3db7ac2f15e251e3aa491fcbfc30028 549B / 549B 0.0s  => => sha256:d07c45c45755f0f90b779bad869467e602f1bfff4d0b5eb1ff73f2882bc38187 1.79kB / 1.79kB 0.0s  => => sha256:d833a10812edb7ab8ed9aacf3a0f591a049cd07d8f17aff2b66a9a1ef88954ac 7.28kB / 7.28kB 0.0s  => => sha256:a2af32d411b4106f43f8ff56651eed59979576281483ccfb3b9f4a7cf1f5944b 41.88MB / 41.88MB 22.2s  => => sha256:ab18c3f6beb4d98c3f94f4e60b6130e29bc5110daaf90f15eb717e0bd61a1cd6 13.50MB / 13.50MB 6.4s  => => sha256:ef920c90c154ccec580e0bf4234a92e2824c4814dad5233b44df2b15eb0e9e5d 187.53MB / 187.53MB 43.8s  => => extracting sha256:a2af32d411b4106f43f8ff56651eed59979576281483ccfb3b9f4a7cf1f5944b 1.5s  => => sha256:296453e8bfea57f7db624db9329bcea9c02279f54adc8a48421329e88929d070 176.03MB / 176.03MB 62.3s  => => extracting sha256:ab18c3f6beb4d98c3f94f4e60b6130e29bc5110daaf90f15eb717e0bd61a1cd6 0.4s  => => sha256:450160e436f7f912b65edbf34af41d351d782007ede10915f811d5b289c43dd2 9.11MB / 9.11MB 46.3s  => => extracting sha256:ef920c90c154ccec580e0bf4234a92e2824c4814dad5233b44df2b15eb0e9e5d 4.2s  => => sha256:6287af09abc82f332b728482574fa58a4b4bda11e526c6eb86047cd82d675cf4 857B / 857B 45.2s  => => sha256:5b554ffe9bbe421cf02932584d587f512098f9b86a4ac4d07cecb436aa2eb01d 359B / 359B 46.8s  => => extracting sha256:296453e8bfea57f7db624db9329bcea9c02279f54adc8a48421329e88929d070 3.8s  => => extracting sha256:450160e436f7f912b65edbf34af41d351d782007ede10915f811d5b289c43dd2 0.1s  => => extracting sha256:6287af09abc82f332b728482574fa58a4b4bda11e526c6eb86047cd82d675cf4 0.0s  => => extracting sha256:5b554ffe9bbe421cf02932584d587f512098f9b86a4ac4d07cecb436aa2eb01d 0.0s  => [stage-1 1/3] FROM docker.io/library/openjdk:17-alpine@sha256:4b6abae565492dbe9e7a894137c966a7485154238902f2 66.2s  => => resolve docker.io/library/openjdk:17-alpine@sha256:4b6abae565492dbe9e7a894137c966a7485154238902f2f25e9dbd9 0.4s  => => sha256:4b6abae565492dbe9e7a894137c966a7485154238902f2f25e9dbd9784383d81 319B / 319B 0.0s  => => sha256:a996cdcc040704ec6badaf5fecf1e144c096e00231a29188596c784bcf858d05 951B / 951B 0.0s  => => sha256:264c9bdce361556ba6e685e401662648358980c01151c3d977f0fdf77f7c26ab 3.48kB / 3.48kB 0.0s  => => sha256:5843afab387455b37944e709ee8c78d7520df80f8d01cf7f861aae63beeddb6b 2.81MB / 2.81MB 1.4s  => => sha256:d8d715783b80cab158f5bf9726bcada5265c1624b64ca2bb46f42f94998d4662 186.80MB / 186.80MB 42.9s  => => sha256:53c9466125e464fed5626bde7b7a0f91aab09905f0a07e9ad4e930ae72e0fc63 928.44kB / 928.44kB 2.3s  => => extracting sha256:5843afab387455b37944e709ee8c78d7520df80f8d01cf7f861aae63beeddb6b 0.2s  => => extracting sha256:53c9466125e464fed5626bde7b7a0f91aab09905f0a07e9ad4e930ae72e0fc63 0.1s  => => extracting sha256:d8d715783b80cab158f5bf9726bcada5265c1624b64ca2bb46f42f94998d4662 4.0s  => [internal] load build context 1.2s  => => transferring context: 10.70kB 0.0s  => [maven-builder 2/4] COPY src /student-service/src 12.0s  => [maven-builder 3/4] COPY pom.xml /student-service 2.5s  => [maven-builder 4/4] RUN mvn -f /student-service/pom.xml clean package -DskipTests 263.9s  => [stage-1 2/3] COPY --from=maven-builder student-service/target/student-service.jar /student-service/student-s 3.2s  => [stage-1 3/3] WORKDIR /student-service 2.7s  => exporting to image 2.6s  => => exporting layers 2.2s  => => writing image sha256:116f30931d3ad24889d3dafd9dc11d8c486f35a42a9afb20aed020cbecd0ccb0 0.1s  => => naming to docker.io/library/student-service 0.1s  Use 'docker scan' to run Snyk tests against images to find vulnerabilities and learn how to fix them  H:\EclipseWorkspace2023\student-service> |

Result of Step 3:

|  |
| --- |
|  |

|  |
| --- |
| H:\EclipseWorkspace2023\student-service>docker images  REPOSITORY TAG IMAGE ID CREATED SIZE  student-service latest 116f30931d3a 10 minutes ago 390MB  H:\EclipseWorkspace2023\student-service> docker run -p 9003:9003 student-service |

**Docker Compose**

Create a file name **docker-compose.yml**

|  |
| --- |
| version : "3"  services:  Springboot-app:  image: springboot-appp  ports:  - 9003:9003 |

***Run: docker-compose up***

|  |
| --- |
| error during connect: this error may indicate that the docker daemon is not running: Get "http://%2F%2F.%2Fpipe%2Fdocker\_engine/v1.24/containers/json?all=1&filters=%7B%22label%22%3A%7B%22com.docker.compose.project%3Dstudent-service%22%3Atrue%7D%7D": open //./pipe/docker\_engine: The system cannot find the file specified. |

|  |
| --- |
| Error response from daemon: open \\.\pipe\docker\_engine\_linux: The system cannot find the file specified. |

|  |
| --- |
| H:\EclipseWorkspace2023\student-service>docker-compose up --build  [+] Building 47.0s (13/13) FINISHED  => [internal] load build definition from Dockerfile 3.3s  => => transferring dockerfile: 32B 0.0s  => [internal] load .dockerignore 5.1s  => => transferring context: 2B 0.0s  => [internal] load metadata for docker.io/library/openjdk:17-alpine 19.0s  => [internal] load metadata for docker.io/library/maven:3.8.4-openjdk-17 29.0s  => [maven-builder 1/4] FROM docker.io/library/maven:3.8.4-openjdk-17@sha256:7106ce47b5c226ee21bac386cb706ff9f3db 0.0s  => [stage-1 1/3] FROM docker.io/library/openjdk:17-alpine@sha256:4b6abae565492dbe9e7a894137c966a7485154238902f2f 0.0s  => [internal] load build context 8.5s  => => transferring context: 10.70kB 0.0s  => CACHED [maven-builder 2/4] COPY src /student-service/src 0.0s  => CACHED [maven-builder 3/4] COPY pom.xml /student-service 0.0s  => CACHED [maven-builder 4/4] RUN mvn -f /student-service/pom.xml clean package -DskipTests 0.0s  => CACHED [stage-1 2/3] COPY --from=maven-builder student-service/target/student-service.jar /student-service/st 0.0s  => CACHED [stage-1 3/3] WORKDIR /student-service 0.0s  => exporting to image 2.0s  => => exporting layers 0.0s  => => writing image sha256:ff1aa40317600e4f23aa2a12466e87f287477b250878573b83c08f99abfc0e9c 0.2s  => => naming to docker.io/library/springboot-appp 0.2s  [+] Running 1/2  - Network student-service\_default Created 1.6s  - Container student-service-Springboot-app-1 Creating 65.0s |

FAILEDDDDD

|  |
| --- |
| student-service-Springboot-app-1 | at com.mysql.cj.exceptions.ExceptionFactory.createCommunicationsException(ExceptionFactory.java:167) ~[mysql-connector-j-8.0.31.jar!/:8.0.31]  student-service-Springboot-app-1 | at com.mysql.cj.protocol.a.NativeSocketConnection.connect(NativeSocketConnection.java:89) ~[mysql-connector-j-8.0.31.jar!/:8.0.31]  student-service-Springboot-app-1 | at com.mysql.cj.NativeSession.connect(NativeSession.java:120) ~[mysql-connector-j-8.0.31.jar!/:8.0.31]  student-service-Springboot-app-1 | at com.mysql.cj.jdbc.ConnectionImpl.connectOneTryOnly(ConnectionImpl.java:948) ~[mysql-connector-j-8.0.31.jar!/:8.0.31]  student-service-Springboot-app-1 | at com.mysql.cj.jdbc.ConnectionImpl.createNewIO(ConnectionImpl.java:818) ~[mysql-connector-j-8.0.31.jar!/:8.0.31]  student-service-Springboot-app-1 | ... 57 common frames omitted  student-service-Springboot-app-1 | Caused by: java.net.ConnectException: Connection refused  student-service-Springboot-app-1 | at java.base/sun.nio.ch.Net.pollConnect(Native Method) ~[na:na]  student-service-Springboot-app-1 | at java.base/sun.nio.ch.Net.pollConnectNow(Net.java:669) ~[na:na]  student-service-Springboot-app-1 | at java.base/sun.nio.ch.NioSocketImpl.timedFinishConnect(NioSocketImpl.java:542) ~[na:na]  student-service-Springboot-app-1 | at java.base/sun.nio.ch.NioSocketImpl.connect(NioSocketImpl.java:597) ~[na:na]  student-service-Springboot-app-1 | at java.base/java.net.SocksSocketImpl.connect(SocksSocketImpl.java:331) ~[na:na]  student-service-Springboot-app-1 | at java.base/java.net.Socket.connect(Socket.java:630) ~[na:na]  student-service-Springboot-app-1 | at com.mysql.cj.protocol.StandardSocketFactory.connect(StandardSocketFactory.java:153) ~[mysql-connector-j-8.0.31.jar!/:8.0.31]  student-service-Springboot-app-1 | at com.mysql.cj.protocol.a.NativeSocketConnection.connect(NativeSocketConnection.java:63) ~[mysql-connector-j-8.0.31.jar!/:8.0.31]  student-service-Springboot-app-1 | ... 60 common frames omitted  student-service-Springboot-app-1 |  student-service-Springboot-app-1 exited with code 1 |

Failed due to mysql container dependency…

Now change docker-compose.yml like below:

|  |
| --- |
| version : "3"  services:  springboot-app:  image: springboot-imgapp  restart: always  build: .  ports:  - 9003:9003  environment:  MYSQL\_HOST: mysqldb  MYSQL\_USER: root  MYSQL\_PASSWORD: P@ssw0rd  mysqldb:  container\_name: mysqldb  image: mysql  ports:  - 3307:3306  environment:  MYSQL\_DATABASE: bookdb  MYSQL\_ROOT\_PASSWORD: P@ssw0rd |

|  |
| --- |
| C:\Program Files\Docker\Docker\resources>com.docker.diagnose.exe check  [2023-01-15T10:38:13.190184500Z][com.docker.diagnose.exe][I] set path configuration to OnHost  Starting diagnostics  [PASS] DD0027: is there available disk space on the host? |

Find the ip address of the docker container”:

|  |
| --- |
| docker inspect -f '{{range.NetworkSettings.Networks}}{{.IPAddress}}{{end}}' container\_name\_or\_id |

|  |
| --- |
| H:\EclipseWorkspace2023\student-service>docker images  REPOSITORY TAG IMAGE ID CREATED SIZE  springboot-imgapp latest 650889209e36 28 minutes ago 390MB  eureka-imgapp latest aa6f03c7159e 2 hours ago 375MB  eurekapantapc latest aa6f03c7159e 2 hours ago 375MB  mysql latest 7484689f290f 5 weeks ago 538MB  H:\EclipseWorkspace2023\student-service>docker tag aa6f03c7159e ganesh2soft/eurekapantapc  H:\EclipseWorkspace2023\student-service>docker push eurekapantapc  Using default tag: latest  The push refers to repository [docker.io/library/eurekapantapc]  5f70bf18a086: Preparing  8b31bdec4ce2: Preparing  34f7184834b2: Preparing  5836ece05bfd: Preparing  72e830a4dff5: Preparing  denied: requested access to the resource is denied  H:\EclipseWorkspace2023\student-service>docker push ganesh2soft/eurekapantapc  Using default tag: latest  The push refers to repository [docker.io/ganesh2soft/eurekapantapc]  5f70bf18a086: Pushed  8b31bdec4ce2: Pushing [==================================================>] 49.84MB  34f7184834b2: Pushing [============> ] 76.39MB/317.6MB  5836ece05bfd: Pushed |

<https://github.com/docker/docs/issues/4303>

KUBERNETES

### Install kubectl binary with curl on Windows

### <https://kubernetes.io/docs/tasks/tools/install-kubectl-windows/#install-kubectl-binary-with-curl-on-windows>

1. Download the [latest release v1.26.0](https://dl.k8s.io/release/v1.26.0/bin/windows/amd64/kubectl.exe).

C:\Windows\System32>**curl.exe -LO "https://dl.k8s.io/release/v1.26.0/bin/windows/amd64/kubectl.exe"**

% Total % Received % Xferd Average Speed Time Time Time Current

Dload Upload Total Spent Left Speed

100 138 100 138 0 0 86 0 0:00:01 0:00:01 --:--:-- 156

100 46.4M 100 46.4M 0 0 7587k 0 0:00:06 0:00:06 --:--:-- 10.1M

|  |
| --- |
| C:\Windows\System32>kubectl version  WARNING: This version information is deprecated and will be replaced with the output from kubectl version --short. Use --output=yaml|json to get the full version.  Client Version: version.Info{Major:"1", Minor:"26", GitVersion:"v1.26.0", GitCommit:"b46a3f887ca979b1a5d14fd39cb1af43e7e5d12d", GitTreeState:"clean", BuildDate:"2022-12-08T19:58:30Z", GoVersion:"go1.19.4", Compiler:"gc", Platform:"windows/amd64"}  Kustomize Version: v4.5.7  Unable to connect to the server: dial tcp 127.0.0.1:6443: connectex: No connection could be made because the target machine actively refused it. |

|  |
| --- |
| C:\Windows\System32>kubectl cluster-info  E0117 13:48:03.999470 20404 memcache.go:238] couldn't get current server API group list: Get "https://kubernetes.docker.internal:6443/api?timeout=32s": dial tcp 127.0.0.1:6443: connectex: No connection could be made because the target machine actively refused it. |

|  |
| --- |
| FROM maven:3.8.4-openjdk-17 as maven-builder  COPY src /marriagehall/src  COPY pom.xml /marriagehall  RUN mvn -f /marriagehall/pom.xml clean package -DskipTests  FROM openjdk:17-alpine  **COPY --from=maven-builder marriagehall/target/marriagehall-0.0.1-SNAPSHOT.jar /**marriagehall/marriagehall.jar  WORKDIR /marriagehall  EXPOSE 8080  ENTRYPOINT ["java","-jar","marriagehall.jar"] |