

## E-commerce microservice website using maven

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Activities Workstation Master Worker1 Worker2
master@master-vm: ~/Microservices

=> [product-service] resolving provenance for metadata file 0.0s
=> [payment-service] resolving provenance for metadata file 0.0s
[+] Running 11/11
✓ order-service Built 0.0s
✓ payment-service Built 0.0s
✓ product-service Built 0.0s
✓ user-service Built 0.0s
✓ Container postgres_db Started 3.9s
✓ Container zookeeper Started 3.8s
✓ Container product-service Started 11.0s
✓ Container user-service Started 9.8s
✓ Container kafka_broker Started 6.4s
✓ Container payment-service Started 13.2s
✓ Container order-service Started 14.4s

master@master-vm:~/Microservices$ docker ps
permission denied while trying to connect to the Docker daemon socket at unix:///var/run/docker.sock: Get "http://%2Fvar%2Frun%2Fdocker.sock/v1.45/containers/json": dial unix /var/run/docker.sock: connect: permission denied
master@master-vm:~/Microservices$ sudo docker ps
CONTAINER ID   IMAGE                                NAMES                COMMAND                CREATED        STATUS        PORTS
d96faa3aa26   samimmondal/order-service          order-service        "java -jar app.jar"    36 seconds ago Up 21 seconds 8082/tcp, 0.0.0.0:8083->8083/tcp, :::8083->8083/tcp
ca8a8f6ca8f2   samimmondal/payment-service        payment-service       "java -jar app.jar"    36 seconds ago Up 22 seconds 0.0.0.0:8084->8084/tcp, :::8084->8084/tcp
8aee4cb825cd   confluentinc/cp-kafka:7.3.2        kafka_broker         "/etc/confluent/dock... 36 seconds ago Up 29 seconds 0.0.0.0:9092->9092/tcp, :::9092->9092/tcp
a54e89a84892   samimmondal/product-service        product-service       "java -jar app.jar"    36 seconds ago Up 25 seconds 0.0.0.0:8082->8082/tcp, :::8082->8082/tcp
e7744f690ff9   samimmondal/user-service           user-service          "java -jar app.jar"    36 seconds ago Up 26 seconds 0.0.0.0:8081->8081/tcp, :::8081->8081/tcp
f214232477f6   postgres:17.4                      postgres_db           "docker-entrypoint.s..." 37 seconds ago Up 32 seconds 0.0.0.0:5432->5432/tcp, :::5432->5432/tcp
df9cd8a28ac   confluentinc/cp-zookeeper:7.3.2    zookeeper            "/etc/confluent/dock... 37 seconds ago Up 32 seconds 2888/tcp, 0.0.0.0:2181->2181/tcp, :::2181->2181/tcp, 3888/tcp
master@master-vm:~/Microservices$
```

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Activities Workstation Master Worker1 Worker2
master@master-vm: ~/Microservices/k8s

deployment.apps/user-service configured
master@master-vm:~/Microservices/k8s$ kubectl get all
NAME                                READY   STATUS             RESTARTS   AGE
pod/order-service-5876d76ddc-t4Sr4 0/1     ContainerCreating  0          11s
pod/order-service-f646f6c56-kdqqz 0/1     CrashLoopBackOff   40 (4m35s ago) 162m
pod/payment-service-6497bcbcf5-9jhlw 0/1     Running            44 (5m23s ago) 162m
pod/payment-service-f8c4cb697-d496b 0/1     ContainerCreating  0          11s
pod/postgres-656894ccb5-mf7l4      0/1     ContainerCreating  0          10s
pod/product-service-69b7cccd56-zvdh7 0/1     CrashLoopBackOff   39 (5m10s ago) 160m
pod/product-service-7b965ff4d9-469dc 0/1     ContainerCreating  0          10s
pod/user-service-5b9c9bb944-bhxjq    0/1     ContainerCreating  0          10s
pod/user-service-68d8c8c84d-m925f    1/1     Running            32 (5m25s ago) 162m

NAME                                TYPE          CLUSTER-IP      EXTERNAL-IP      PORT(S)          AGE
service/kubernetes                   ClusterIP     10.96.0.1        <none>            443/TCP          4h36m
service/order-service                LoadBalancer 10.108.165.245   <pending>         8082:30096/TCP   162m
service/payment-service              LoadBalancer 10.108.213.66    <pending>         8084:32302/TCP   162m
service/postgres                     ClusterIP     10.104.6.91      <none>            5432/TCP          10s
service/product-service              ClusterIP     10.107.145.110   <none>            8082/TCP          162m
service/user-service                 LoadBalancer 10.100.3.171     <pending>         8081:31919/TCP   162m

NAME                                READY   UP-TO-DATE   AVAILABLE   AGE
deployment.apps/order-service        0/1     1             0           162m
deployment.apps/payment-service      0/1     1             0           162m
deployment.apps/postgres             0/1     1             0           10s
deployment.apps/product-service      0/1     1             0           160m
deployment.apps/user-service         1/1     1             1           162m

NAME                                DESIRED   CURRENT   READY   AGE
replicaset.apps/order-service-5876d76ddc 1          1          0       11s
replicaset.apps/order-service-f646f6c56 1          1          0       162m
replicaset.apps/payment-service-6497bcbcf5 1          1          0       162m
replicaset.apps/payment-service-f8c4cb697 1          1          0       11s
replicaset.apps/postgres-656894ccb5 1          1          0       10s
replicaset.apps/product-service-69b7cccd56 1          1          0       160m
replicaset.apps/product-service-7b965ff4d9 1          1          0       10s
```