



Mustafa Yasin Emir

Hazelcast & Oracle Homework-2

```

root@mustafayasinemir:~# docker ps
CONTAINER ID   IMAGE                                COMMAND                  CREATED        STATUS        PORTS                               NAMES
62108622e547   hazelcast/hazelcast:latest         "hz start"              2 hours ago   Up 2 hours   0.0.0.0:5701->5701/tcp, :::5701->5701/tcp   hazelcast
0f54f9a44252   hazelcast/management-center:5.4.1 "bash ./bin/mc-start..." 2 hours ago   Up 2 hours   8081/tcp, 0.0.0.0:8080->8080/tcp, :::8080->8080/tcp, 8443/tcp   hazelcast-management
root@mustafayasinemir:~#

```

DigitalOcean → Docker → Hazelcast&Hazelcast Management Center

```

Windows PowerShell
Copyright (C) Microsoft Corporation. All rights reserved.

Install the latest PowerShell for new features and improvements! https://aka.ms/PSWindows

PS C:\Users\myemi> docker ps
CONTAINER ID   IMAGE                                COMMAND                  CREATED        STATUS        PORTS                               NAMES
58247bf7ac60   container-registry.oracle.com/database/express   "/bin/bash -c $ORACLE..." 12 days ago   Up 3 hours (healthy)   0.0.0.0:1521->1521/tcp   MYE-Oracle
PS C:\Users\myemi>

```

Localhost → Docker → Oracle DB

PERFORMANCE METRICS ORACLE AND HAZELCAST

1-Oracle Performance Metrics

```

C:\Users\myemi\jdk\openjdk-21.0.2\bin\java.exe "-javaagent:C:\Program Files\JetBrains\IntelliJ IDEA 2024.1.4\lib\idea_rt.jar=57281:C:\Program Files\JetBrains\IntelliJ IDEA 2024.1.4\bin" -Dfile.encoding=UTF-8 -Dsun.stdout.encoding=UTF-8 -Dsun.stderr.encoding=UTF-8 -classpath C:\Users\myemi\source\repos\myemirrr\Intern2024\HazelcastCompareOracle\Oracle\target\classes;C:\Users\myemi\.m2\repository\com\oracle\database\jdbc\ojdbc8\21.6.0.0\ojdbc8-21.6.0.0.jar i2i_intern.Main
Oracle insert 20000 users time : 57928 ms
Oracle select 20000 users time : 1922 ms

```

20000 Data

```

C:\Users\myemi\jdk\openjdk-21.0.2\bin\java.exe "-javaagent:C:\Program Files\JetBrains\IntelliJ IDEA 2024.1.4\lib\idea_rt.jar=57778:C:\Program Files\JetBrains\IntelliJ IDEA 2024.1.4\bin" -Dfile.encoding=UTF-8 -Dsun.stdout.encoding=UTF-8 -Dsun.stderr.encoding=UTF-8 -classpath C:\Users\myemi\source\repos\myemirrr\Intern2024\HazelcastCompareOracle\Oracle\target\classes;C:\Users\myemi\.m2\repository\com\oracle\database\jdbc\ojdbc8\21.6.0.0\ojdbc8-21.6.0.0.jar i2i_intern.Main
Oracle insert 100000 users time : 276149 ms
Oracle select 100000 users time : 4534 ms

```

100000 Data

2-Hazelcast Performance Metrics

//TODO