i2i Systems
innovation to integration

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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
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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
5524T7bf7ac60  container-registry.oracle.com/database/express  "/bin/bash -c $ORACL…" 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 METRİCS ORACLE AND HAZELCAST

1-Oracle Performance Metrics

```
Main
C:\Users\myemi\.jdks\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
 .1\ojdbc8-21.6.0.0.1.jar i2i_intern.Main
Oracle insert 20000 users time : 57920 ms
Oracle select 20000 users time : 1022 ms
```

20000 Data

```
C:\Users\myemi\.jdks\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
 .1\ojdbc8-21.6.0.0.1.jar i2i_intern.Main
Oracle insert 100000 users time : 276149 ms
Oracle select 100000 users time : 4534 ms
```

100000 Data

2-Hazelcast Performance Metrics

Hazelcast Management Center üzerinden gözlem yapıldı.

20000→SELECT→390 ms

20000→INSERT→539 ms