## Definition

In this exercise you will compare execution time of Hazelcast and Oracle SQL.

**Hazelcast**

* Firstly, install Hazelcast IMDG.
* Put 20.000 random numbers with Hazelcast and take note the time.
* Then get those numbers randomly and take note the time.

\*Also do this for 100.000 random numbers.

**Oracle SQL**

* Firstly, insert 20.000 random numbers with Oracle SQL and take note the time.
* Then select those number randomly and take note the time.

\*Also do this for 100.000 random numbers.

At the end, you will have a table:

|  |  |  |
| --- | --- | --- |
|  | **Hazelcast** | **Oracle SQL** |
| **20.000 put/insert** | … | … |
| **20.000 get/select** | … | … |
| **100.000 put/insert** | … | … |
| **100.000 get/select** | … | … |

**Objectives** :

* To learn basics of Hazelcast.
* To see differences between Hazelcast data process and Oracle SQL data process.

**Exercise Keywords:** In Memory Data Grid, put, get, member, client, cluster.