Hazelcast

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TODO: General Introduction

1 Key-Value-Stores

TODO:

1.1 History of Key-Value-Stores

TODO: Change

1.2 Working principle of Key-Value-Stores

TODO:

1.3 Comparision of Key-Value-Stores to relational Databases

TODO:

2 Hazelcast in Theory

TODO:

2.1 Hazelcast in CAP-Theorem

TODO:

2.2 BASE in Hazelcast

TODO:

3 Hazelcast in Practice

The goal of this section is to test Hazelcast in practice. With this goal in mind, we will first install Hazelcast, and then we will try to implement some example data structures. We will take a look at the Usability of the Hazelcast interface. TODO:

3.1 Installation of Hazelcast

There are multiple ways to install Hazelcast. Due to the fact that Hazelcast is open-source and provides Binaries. TODO:

3.2 Usage and API of Hazelcast

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3.3 Examples in Hazelcast

TODO:

4 Evaluation of Hazelcast

TODO:

4.1 Advantages of Hazelcast

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4.2 Disadvantages of Hazelcast

TODO:

4.3 Lessons learned

TODO:

5 Conclusion and Recommendations

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