

# Cloud Computing - Project Report

Cloud-Busters

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<https://github.com/lorenzo-vezzani/inverted-index-and-search>

## 1 Introduction

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### 1.1 Equipment

The tests were carried out on 3 identical virtual machines, each one with the following specifications:

- **CPU:** 1 core (2 logical cores) of an Intel(R) Xeon(R) Silver 4208 CPU @ 2.10GHz
- **RAM:** 6.8GB
- **Disk:** 40GB
- **OS:** Ubuntu 22.04.4 LTS

The Java application used the whole equipment, while the Python and Rust applications used only one logical core on one machine.

## 2 Dataset

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## 3 MapReduce and Hadoop code

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## 4 Spark Code

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## 5 Non-parallel code

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## 6 Test and Results

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