# 

TEST DOCUMENT TITLE

Quality Assurance of the solution

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# Document information

## Document version

|  |  |  |
| --- | --- | --- |
| Version | Author e-mail | Description |
| 1.0 | trlb@kea.dk | Initial draft |
|  |  |  |

## Approval List

|  |  |  |
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## Confidentiality Rating

|  |  |
| --- | --- |
| Rating |  |
| Company Confidential | X |
| Non Confidential |  |

# **General**

This document contains information about our testing process.

We need our performance testing to ensure that our program is fast and error free under any user load. And to ensure that the application will work as intended when all software units and methods are executed together.

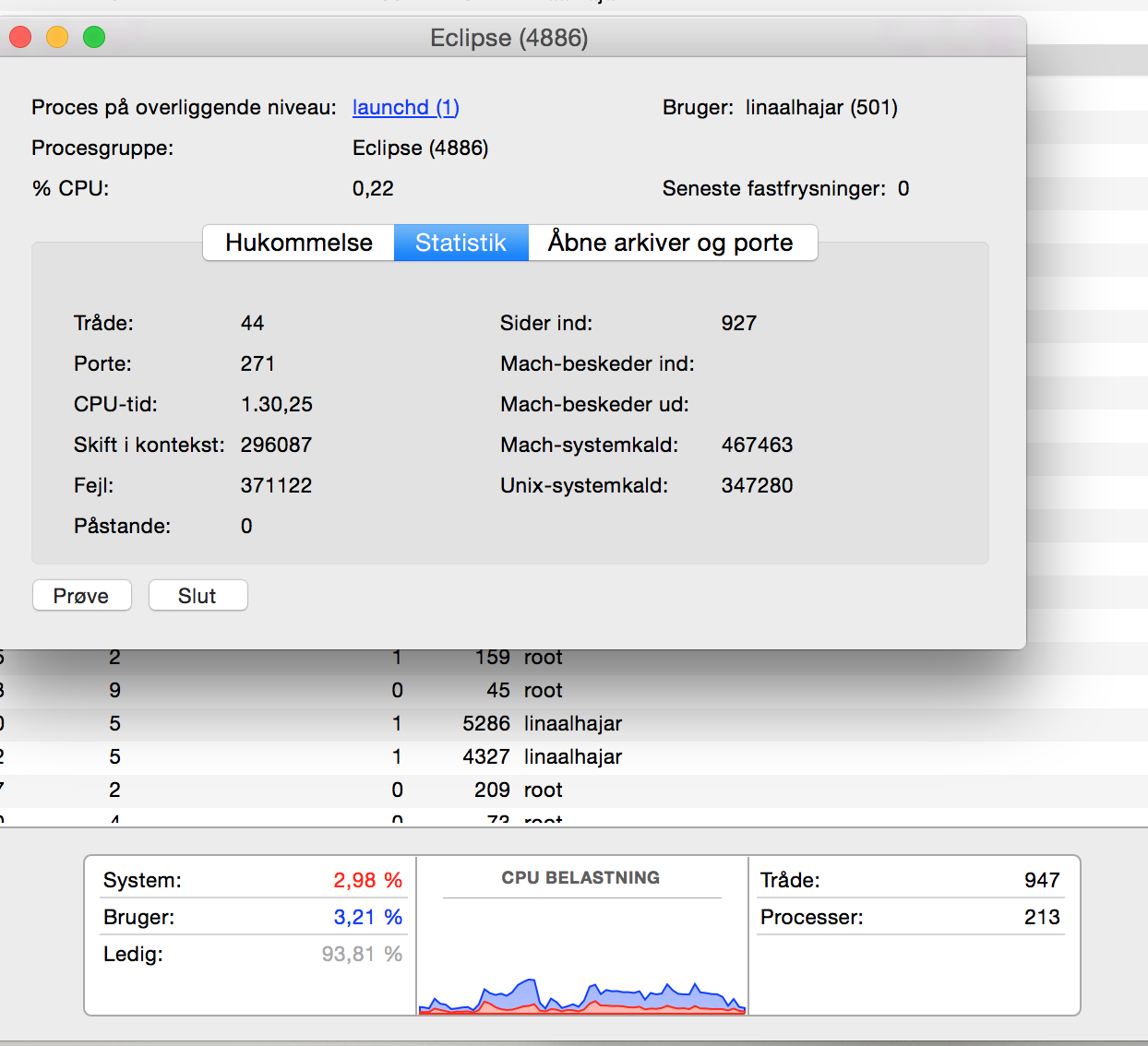
# **Stress Performance Test**

**Load test:**

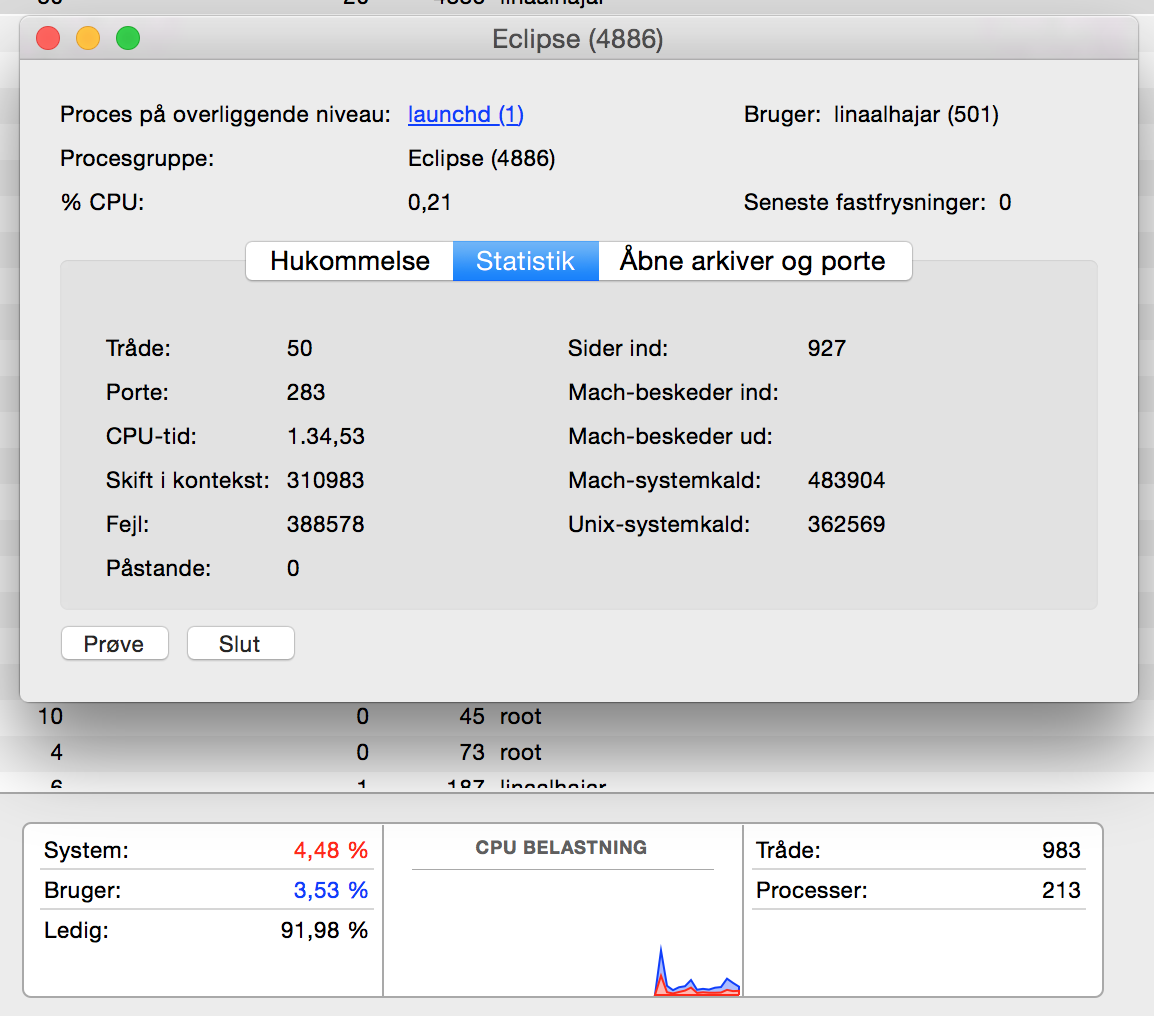
Load test case: User Log in:

**Stress Test**

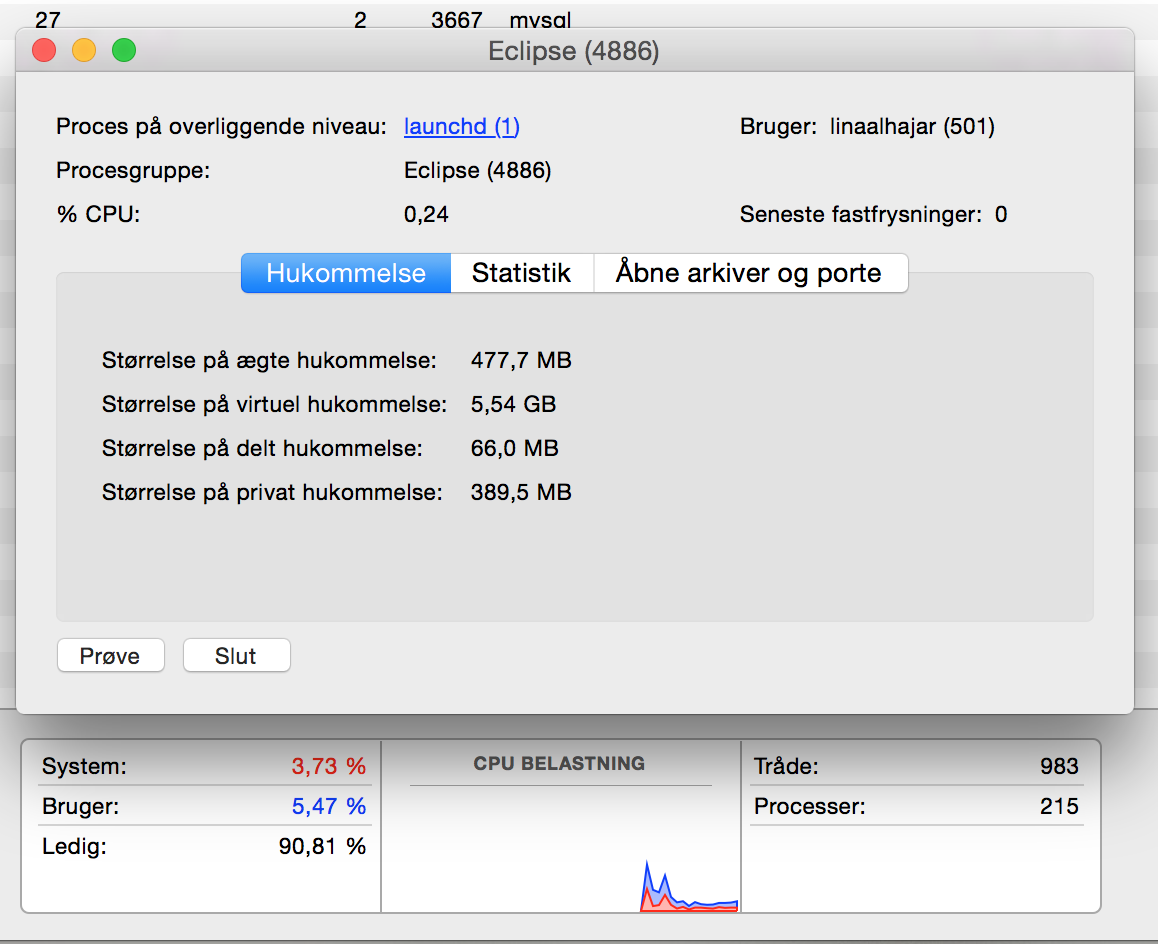
**Screenshots of memory usage:**

1.Lunching the Application

2. Starting the Server



3. Starting the Client



**Spike Test** (how does the system recover from a load burst)

For our spike test we have used the System.***out***.println that is written inside our test framework. By this way we tested our methods and discovered the errors, as they come.

**Soak Test** (no system degradation over time - e.g. memory utilization)

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# **User Acceptance Test**

The Client or the user of the application, can sign out of the chat at anytime.

**JUnit Test**

We have tested the following cases with the JUnit test:

* User log in.
* Save User.
* Database connection.
* Password validation.