



Mural

Open Master Data Management Community

<https://mural.dev.java.net>

Mural Tuning Guide

Tips for tuning the Mural Project

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0. Document Control

0.1. Revision History

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0.1.

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1. Oracle

1.1. Oracle 9i

1.1.1. Problem - Performance problem with Oracle 9i

If you suspect that your Oracle 9i database is not running at an optimal speed there is not one set up that will fix this.

However there are some steps you can take to help diagnose the problem.

Steps to take

WARNING: Never make radical changes to a production system.

Better a system that runs a bit slower than you would like than a system that does not work at all...

Evaluate your hardware

- ✓Do you know whether your hardware is powerful enough to meet your needs?
- ✓Are the disks fast enough?

When checking this remember that there will always be slowness retrieving records the first time.
- ✓Is this running on a RAID disk?
If so then did a failure occur.
- ✓What is the disk throughput?

Get a better understanding of your system

- ✓How loaded is the system?
- ✓Is CPU at 100% during these problems?
 - ✓How about the I/O subsystem? Is it at 100% capacity when these problems occur?
 - ✓Is it running Oracle only, or Oracle and your application, or a lot of applications?

Use the built in Oracle Tools tools like statspack

You should consider generating statspack reports for snapshots taken right before a performance test (meaning a snapshot should happen seconds before you start the test) and right after (again your snapshot should end in seconds after the test finishes). You can then create a statspack report that can tell you what is taking the most time on the database.

This report will help you identify the areas that you should pay attention to.

Statspack is one of the reports Oracle provides in every system. All you have to do is set it up and use it. Once you have information on what's taking the longest time (in other words, what Oracle spends the most time doing), then you will be in a better position to tune your system.