

Market Requirements Document

Feature Name: Backing Up Read-Only Databases

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Description of the Problem

Read-only databases will most probably not have changed since the time that they were first backed up. However, oobackup still backs them up. There are some systems where the majority of the data is read-only, so oobackup is doing a lot of unnecessary work.

Description of the Requested Feature

The oobackup tool should be amended to recognize read-only databases and only back them up if they have not been backed up before. It should record the location of the most recent backup of each read-only database to make it possible for oorestore to function correctly. It should record whether or not each read-only database has been backed up. A full backup should have an additional switch to allow the user to specify whether or not to backup unchanged read-only databases.

Part of an existing feature or does it require another feature, if so, which one?

This is a change to oobackup and oorestore.

How is this problem being solved now, and why isn't that acceptable?

There is no way for a user to do this while read-only databases are in use.

What languages must support this capability?

- C++
- Java
- Smalltalk

Which platforms must be supported?

- All current platforms.

Do any competitors already have this feature?

- Unknown.

Customers who require this feature

- VLDB sites.
- Any system that has a significant number of read-only databases.
- Any system that has any large read-only databases.

Revenue at risk, or which could be won

- Having this tool will improve the performance of oobackup. While this feature is rarely benchmarked, it could become an issue at VLDB sites.

When is this required?

- Release 10.

Additional Notes

We will also need:

- Marketing collateral
- Technical Publications