

Idea 000 – Logging to MySQL or other RDBMS... WinCC OA Lab

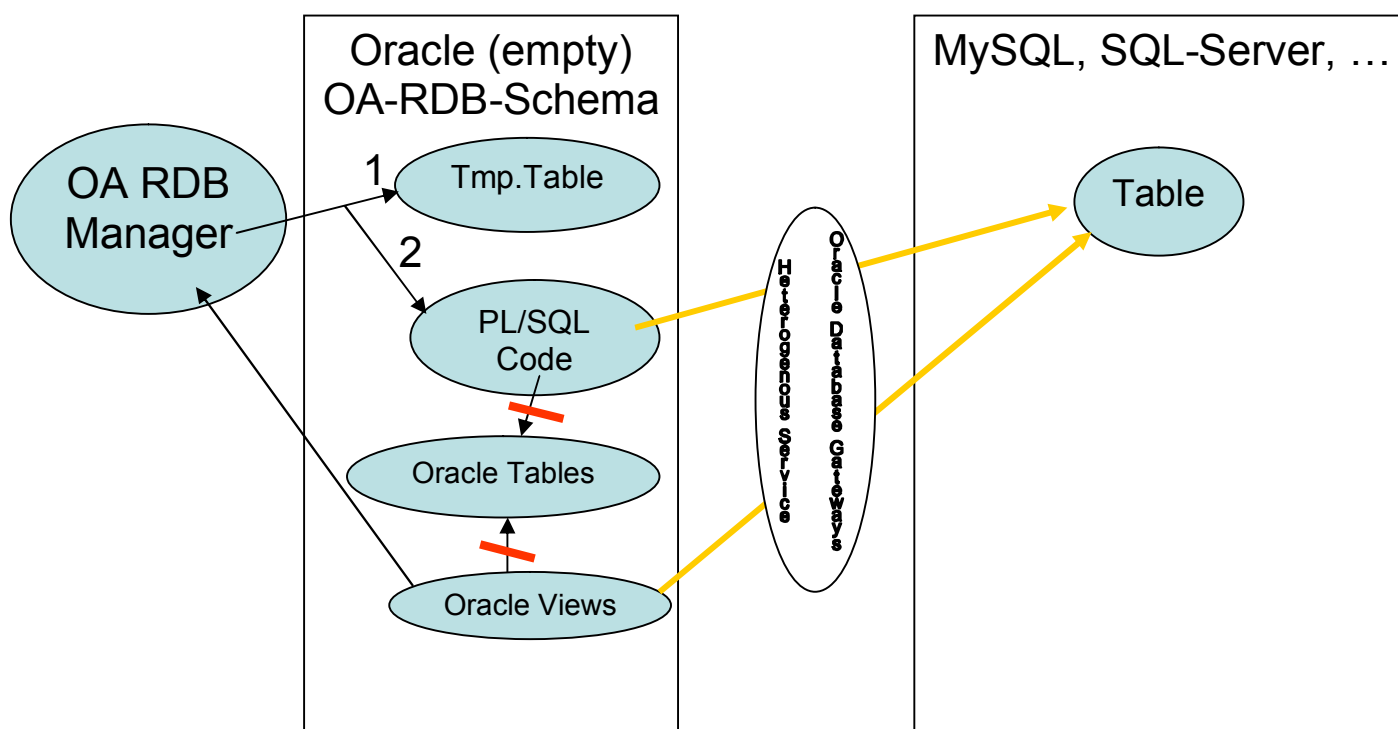
Number	#000
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Description	Logging values to MySQL Database (or another RDBMS) with/through WinCCOA RDB-Manager
Status	Idea, Prototyp follows...

Warranty statement

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Description

The basic idea is to use a small/empty Oracle Database (Express Edition which is free of charge) as a gateway to other database systems. It is possible to access other databases from inside of an Oracle Database (Oracle Gateways). So it will be easy to integrate tables from MySQL to Oracle. And I think it is relative easy to adapt the OA RDB Oracle Packages to write the data to this foreign tables. RDB-Manager writes the data to an “Oracle-Temporary-Table”, this is a table in-memory, and afterwards just one PL/SQL Function is called which transfers the data to the real table (depending on archive and groups). For a simple archiving to a foreign (MySQL, SQL-Server, ...) Table will be easy to adapt these lines of code (I guess).



Benefits

- Logging to other RDBMS
- OA RDB Manager can be used without modifications (of C++ code)
- Oracle Express Edition is “only” a Gateway
- No costs for Oracle Database
(but costs of Oracle Database Gateway must be clarified)
- MySQL without transaction handling (MyISAM-Tables) will be faster than Oracle
(but overhead/limits of Oracle Database Gateway is currently unknown)

Restrictions

- Archive-Switch/Export/Import and so on must be done externally → the customer has to take care about the “foreign” database...

Status

- Evaluation / Prototype (ToDo)

