

Database Review

A **DATABASE REVIEW** aims to provide solutions for configuration, maintenance and a limited set of performance issues commonly found in Oracle database systems used by our customers. A manual review of a database snapshot, supported by a fully automated analysis, delivers a document (PDF) containing suggestions, recommendations and guided solutions for any issues found during analysis.

When to Consider a Database Review

The primary goal of this service is to enable customers to configure their database system for use with Intershop Commerce Management software (ICM). It can be thought of as implementing a baseline configuration of the database and instance, which meets all functional requirements imposed by ICM. Potential performance inhibiting factors and some classes of actual performance issues are identified and, where possible, mitigated or eliminated entirely.

Generally, a Database Review is recommended in any of the following scenarios

- ▶ Migration to new major releases (Oracle and/or ICM)
- ▶ Final review of a database (system) prior to Go Live
- ▶ Regular system check
- ▶ Gradually decreasing, unstable or otherwise unclear performance issues

Regular reviews may also help to detect signs of major issues coming up in mid or long term.

Price

1 man-day à 1.250 €

When to Consider Other Options

- ▶ Complex Performance Issues

A lot of complex performance issues require additional information sources and tools to find a solution to them. These could be SQL traces, STATSPACK/AWR reports, an in-depth analysis of execution plans, building models to reproduce a problem, looking at data distributions and a lot of other things. All these are not available in the context of a Database Review, so it's not going to be useful for solving this kind of issues. A Database Optimization (see below) may be an alternative option in these cases.

- ▶ No on-site database (administration) knowledge

We strongly recommend to implement any of the proposed changes only after careful review by your own database administrators. If you do not have on-site DBA knowledge available, consider Database Optimization (see below) instead, where one of our own database experts will do the review and implementation for you.

Target Audience

While the document containing the results of the automated analysis attempts to be generally understandable, it primarily addresses database administrators or developers with basic/advanced knowledge in Oracle and, ideally, Intershop Commerce Management software. Ideally, they also have a basic understanding of how ICM interacts with the database.

Results

Results are provided in digital format (PDF).

Comparison With Other Services

Content	Included in Database ...		
	Checkup	Review	Optimization
Basic instance configuration (e.g., initialization parameters, SGA/PGA)	✓	✓	✓
Advanced instance configuration (e.g., block management, advisories)		✓	✓
Basic database configuration	✓	✓	✓
Advanced database configuration (e.g., table fragmentation, segment space management)		✓	✓
Validation of maintenance procedures	✓	✓	✓
Generic SQL optimization/tuning suggestions		✓	✓
High level performance tuning suggestions		✓	✓
Patches & patch set recommendations			✓
Implementation of analysis results			✓
Advanced analysis of snapshot data by a database expert, providing additional insights and recommendations		✓	✓
Performance tuning (specific issues)			✓
Analysis of additional information sources (SQL traces, alert log, etc.), if needed			✓