

Database Optimization

A **DATABASE OPTIMIZATION** is an extended version of a Database Review, where one of Intershop's database experts assesses its results and implements them in your database system. In some cases this will also include more in-depth analysis to find solutions to any of the problems found during the review process.

When to Consider a Database Optimization

▲ 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 Checkup or Review. A Database Optimization can be an 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, because one of Intershop's database experts will do the review and implementation for you.

Results

Results are documented in digital format (PDF).

Price

Necessary man-days for implementation, à 1.250 €

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			✓