



NAV / SQL Health Check

If you are using Dynamics NAV, chances are that the NAV / SQL environment was installed by accepting the default values. Unfortunately, that's how most installations are done. Optimal performance requires various optimizations and Best Practice configuration changes on all involved servers.



Improve the
Performance of
Dynamics NAV

The purpose of the NAV / SQL Health Check is to review the entire NAV / SQL environment to reveal any potential performance issues, and to ensure Best Practices are followed.

What is Reviewed?

- Database storage layout for both TEMPDB and NAV DB(s)
- Storage performance, especially latency
- SQL Server Configuration
- NAV / Terminal Server configuration
- Windows Configuration
- Hardware Specs
- Indexing
 - Missing Indexes
 - Unused Indexes
 - Index Compression (SQL Enterprise Edition Only)
- SQL Wait Stats
- SQL Trace Flags
- Analysis of long-running queries
- Memory Utilization
- Disaster Recovery
- Database Maintenance

Database Name	avg_read_stall_ms	avg_write_stall_ms	avg_io_stall_ms	File Size (MB)	physical_name
msdb	13.7	52.7	47.0	26.38	D:\SQL DATA\MSSQL13.MSSQLSERV
NAV-PROD	6.0	39.8	37.1	4054.00	D:\SQL DATA\NAV-PROD_Data.mdf
NAV-TEST	7.7	32.1	26.3	15866.00	D:\SQL DATA\NAV-TEST_Data.mdf
NAV-PROD	6.7	85.2	17.3	20000.00	D:\SQL DATA\NAV-PROD_Data_4.ndf
NAV-PROD	6.7	83.5	17.2	20000.00	D:\SQL DATA\NAV-PROD_Data_2.ndf
NAV-PROD	6.9	68.6	16.7	20000.00	D:\SQL DATA\NAV-PROD_Data_1.ndf
NAV-PROD	6.9	85.8	16.6	20000.00	D:\SQL DATA\NAV-PROD_Data_3.ndf

Figure 1 Example of excessive storage write latency

What is Delivered?

The findings and recommendations are documented and reviewed at the end of the analysis.

The report includes findings and recommendations, supporting data and screenshots as well as a list of action items.

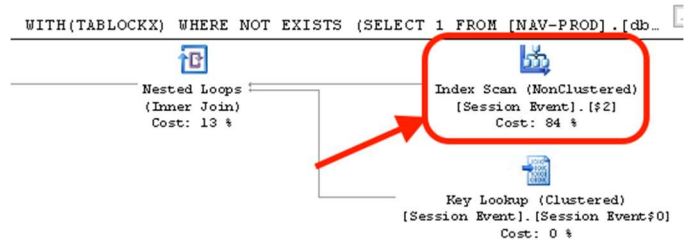


Figure 2 Example of SQL Query Execution Plan Analysis

Ready to Improve NAV / SQL Performance?

Contact us today to schedule your NAV / SQL Health Check.

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