

Perform-Tools for Microsoft Dynamics NAV

Microsoft Dynamics NAV offers the growing business a powerful yet cost-effective solution. With the ever growing adoption of a Microsoft SQL Server backend, **Perform-Tools™** ensures an ongoing truly optimised performance environment for your users. **Perform-Tools™** addresses two major business needs:

- Dynamics NAV maintenance
- Dynamics NAV analysis

We have two great products in these areas:

Perform-Maintenance

Summary:

- 20-30% performance boost compared to non-maintained systems
- Optimizes SQL Server statistics making Query Optimizer more efficient
- Optimizes SIFT records removing zero unnecessary records
- Re-indexes with optimum fill factor for read and write performance
- Runs automatically at scheduled intervals

Finally, there is an 80-90% probability that your Dynamics NAV database is not set-up for optimal performance.

Features:

- **Perform-Maintenance:** running the tool for the first time will ensure that your back-end database is optimised.
- **Perform-Maintenance** will ensure that your database setup options will be correct! Periodic running will ensure that your database stays that way!
- **Perform-Maintenance** will remove unnecessary overheads. For example at least 10% of records in SIFT tables are empty in a typical Dynamics NAV database.
- **Perform-Maintenance** will, when run a regular basis, remove these unnecessary overhead records. Many standard statistics within SQL Server prove to be of little value.
- **Perform-Maintenance** will remove the unnecessary statistics whilst at the same time providing valuable and meaningful Dynamics NAV orientated statistics. Due to the nature of the applications many tables become fragmented.
- **Perform-Maintenance** will ensure that indexes and data are de-fragmented and stored as efficiently as possible whilst optimizing both read and write times. It has been proven by many customers that a properly maintained backend database can yield an extra 20-30% in performance as compared to databases without **Perform-Maintenance**.

Finally backups will become quicker due to smaller files. **Perform-Maintenance** can be run unattended allowing our clients to concentrate on using the system to run the company!

Perform-Analysis

- Provides a “capability” bridge between SQL Server and Dynamics NAV
- Index cost analysis
- SIFT index cost analysis
- Table costs analysis
- Zero SIFT analysis
- Blocking analysis
- Locking analysis
- Disk latency analysis
- Memory usage analysis
- An aid to any Dynamics NAV consultant or IT Manager.
- Subsequent modifications can achieve 20-30% performance yield without changing a line of code

Microsoft Dynamics NAV is a comprehensive Enterprise Resource Planning System. There are close to 1000 tables within a database that covers most, if not all, areas of business requirements. Dynamics NAV is both OLTP and OLAP system; the tables have both transaction

processing as well as analytical processing purpose. To manage this comprehensive suite you need a dedicated set of tools that understand the set up of Navision & can assist the most Dynamics NAV and SQL Server experts in tuning your system to achieve optimum performance. [Perform-Analysis](#) provides a “capability bridge” between SQL Server and Dynamics NAV. As an example, Certified Navision developers will have vital information about Table indexes and SIFT indexes that cause the largest overhead. They can focus on the tables, indexes and application areas in their optimization efforts. Certified Developers will know which tables become locked excessively when the system is used in anger.

Questions that are raised when consultants review your system are:

- How many blocks were there over a period of time?
- Which application areas were affected?
- Which users were involved?

[Perform-Analysis](#) provides the answers showing not only SQL Server IDs but also more meaningful and clearly described Dynamics NAV table IDs and names making it crystal clear where the focus should be.

It has been proven by our software installation, that removing the top 20-50 index and SIFT overheads will yield at least a 20-30% system performance boost without a need to change a single line of code. With

[Perform-Analysis](#) you now have the most efficient, cost effective and fastest resolution to system bottlenecks.