

Solution for Microsoft SQL Server SQL Inventory & Metrics-Analysis (MAP Toolkit)

Technical Datasheet 1.0



YOUR ADVANTAGES

- Complete inventory of your SQL Server environment
- Overview of the SQL Server instances and features used
- Basis for software license fulfillment and license optimization
- Reports on server utilization
- Notes and recommendations for SQL Server consolidations
- Preparation and information Cloud Readiness
- Background knowledge and basis for periodic checks of the SQL Server environment
- No analysis software cost

SETUP

The MAP Toolkit is installed and configured on a virtual Windows system. With the necessary highly privileged accounts, the SQL server systems are connected, and the required information and performance data is retrieved. No agents or software need to be installed on the target systems. The login information for the highly privileged accounts is only stored on the MAP toolkit system and is NOT stored in the MAP database. Therefore, the customer has to enter the login information when starting the inventory recording and performance measurement.

INFRASTRUCTURE

The MAP Toolkit works with Windows integrated methods such as Windows Management Instrumentation (WMI), Remote Registry, Active Directory Services (ADS), Computer Browser and TSQL to read the Windows Server and SQL Server settings and parameters. Access to the servers requires unrestricted access from the MAP system perspective, which means that port / protocol rules for the MAP system must be disabled. The network usage for the transmission of the measured data is very low.

SERVER INVENTORY

In order to decide on the performance measurement and to have a guarantee that no system, even those that are not or not optimally documented, are forgotten or overlooked, the entire IT infrastructure must be queried initially. This complete inventory is the basis for recording the more restrictive subsequent performance measurement. A complete inventory is also necessary for the evaluation of the fulfillment of the license usage. In addition to server configurations and resources, the inventory also contains details of instances and database properties.

PERFORMANCE MEASUREMENT

On the SQL servers to be defined, the necessary performance data is recorded over the period of time to be determined (low load and high load phases, e.g. end of the month, should be included) with integrated methods of Windows and SQL Server and stored in MAP. These performance data provide the analysis with important values about the effective use of the servers. This data also provides the basis for determining possible consolidation and optimization.

ANALYSIS

At the end of the measurement period, Trivadis analyzes the recorded data from the MAP database. The data is exported from the MAP toolkit and analyzed by Trivadis. Depending on the objective, in addition to the interpreted inventory data, appropriate recommendations, reports and a final report are generated. This information ultimately forms the basis for further tasks and measures.

SUBSEQUENT WORK

With the delivered results it can be decided which measures are useful and helpful in the SQL Server environment. These can be different actions to name a few

- Consolidate SQL Server databases onto fewer instances
- Reduction of SQL Server instances to centralized SQL Server and thus reduction of licenses
- Optimization of the use of server resources through minimal provision of server resources