



Spotlight CheckUp™ Services

Introduction

Understanding the behavior of your Teradata Data Warehouse can be a daunting task. There are low-level tools like ResUsage and DBQL (Database Query log) and very high-level tools like Viewpoint but each of these capabilities has pro's and con's. In the past, a range of home-grown approaches have been developed including: Excel-based reports and special queries shared by DBAs. Now, there's a better answer!

Spotlight's CheckUp™ product provides a user-friendly set of Tableau workbooks that provide in-depth analysis and insights of what's going on inside your Teradata system. By using Tableau's BI, analytics, and visualization capabilities, Spotlight CheckUp™ is able to focus on the analysis and interpretation of information while leveraging the industry-leading visualization capabilities of Tableau to select, filter, and customize the display of meaningful capacity and performance information. The analysis can be delivered to desktops and mobile devices supported by Tableau.

Product Overview

Spotlight's CheckUp™ product consists of the following:

- Installation of set-up scripts for the release-specific version of Teradata that is running (each version of Teradata is data-dependent, some fields may change from one release to the next).
- Installation of scripts to capture and manage historical data without the need for a special server
- A set of packaged Tableau workbooks (each containing multiple dashboards/worksheets)
- Documentation

Once Spotlight CheckUp™ is installed, the system collects information on workload execution and system utilization and records that information in a Teradata SYS_MGMT database for analysis.

The Tableau workbooks are designed to utilize current information kept in the Teradata system as well as historical information captured in the SYS_MGMT database – thus you have both current and historical perspectives of the behavior of your system.

Product Features

The CheckUp™ product provides multiple Tableau workbooks so you can gain a complete understanding of your Teradata system. Each workbook is focused on a distinct area of the system as described below:

- Configuration overview – provides information on the Teradata release and system configuration (Nodes, AMPs, CPUs, Memory)
- Space Management – shows the disk usage across the system, by user, database, user/database hierarchy and table (with an ability to show trends over time)
- System usage – shows the current and historical usage for critical system resources (e.g., CPU, Memory, I/O, AMP worker tasks) and provides the ability to trend these values over time for capacity planning purposes
- Sessions – provides information on the current users logged onto your system (via sessions)
- Database / Table Analysis – depicts the largest consumers of disk space by user and database and the access frequency of each table (by user/database)
- Skew – shows the AMP space usage and skew by database
- Permissions – shows which users have permissions and access to other databases/tables/objects
- Statistics – describes current statistics collected by the system and which tables do not have statistics

Spotlight Technology

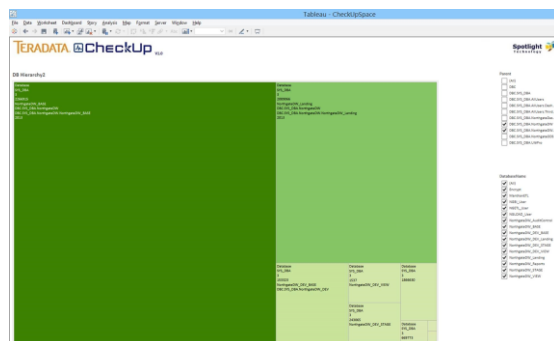
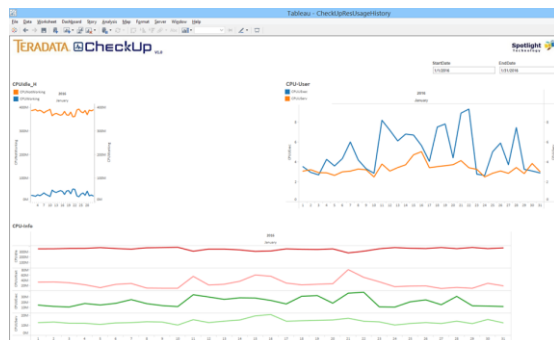
Data Warehouse, BI, Analytics, and Visualization Products/Services for the Teradata Marketplace



CheckUp™

- Indexes – shows the types of indexes (by database, table, column)
- Events – provides a summary of any significant events on your system
- Query management / performance – shows information about the queries being run on your system – including information about the Top-50 queries (in terms of resource usage), query distributions, response times, “expensive” queries and more
- Concurrency – shows the amount of concurrent activity / parallelism on the system

Sample screenshots are shown below:



Spotlight Products

Spotlight Technology provides products to mid-tier companies who need an integrated solution for their data warehouse, BI, analytics, discovery, and visualization use.

Spotlight Services

Spotlight’s services address four main areas:

1. SQL Server migration
2. System StartUp™ – ensure your initial business needs are set-up in the appropriate appliance
3. System TuneUp™ – ensure your ongoing business needs are evaluated on a regular basis
4. System CheckUp™ – monitor your ongoing business needs for usage

Summary

If you would like more information about Spotlight’s CheckUp™ product, please contact us at sales@spotlighttechnology.com. You can find more information about our products at www.spotlighttechnology.com.

Spotlight Technology is an authorized Teradata partner
Spotlight Technology is a Tableau Technology Partner
Teradata™ is a registered trademark of the Teradata Corporation
Tableau™ is a registered trademark of Tableau Software, Inc.

Spotlight
Technology 
2160 Mulligan Dr
Colorado Springs, CO 80920
719.268.6630
www.SpotlightTechnology.com