TERADATA UTILITY PACK

ANY TIME, ANY PLACE, ANY QUERY

You've made a significant investment in your data warehouse. And Teradata wants to ensure you make the most of that investment with a powerful package of tools to help you:

~ Develop applications according to industry standards.

~ Simplify data analysis and management.

~ Make data available anytime, anywhere, with any query in any language.

~ Leverage the vast amounts of information stored in your data warehouse.

That powerful package is the Teradata® Utility Pack, a set of tools and utilities that addresses your core data warehouse administration and database access needs. It takes advantage of industry-standard interfaces to help integrate your Teradata system into your enterprise and streamline the warehouse management tasks you perform every day. The result: easy-to-use data warehouse management and query tools that allow your end users to quickly and conveniently access and manage the data they need.

TERADATA INTERFACE AND CONNECTIVITY TOOLS

If your enterprise architecture is like most, you probably have a heterogeneous environment with many applications and data sources across the network that interface with the Teradata system. That means two distinct challenges: supporting a diverse environment while providing a high-speed, seamless connection to your data warehouse. You need a connection that provides data immediately to users anytime, anywhere, processing any query to make critical business decisions.

The quick movement of data to your applications guarantees that decision makers and analysts have timely access to information. To meet that mission, Teradata Utility Pack offers interfaces and connectivity tools that help move warehouse data into the applications seamlessly. They include:

Teradata Call Level Interface

The Teradata Call Level Interface (CLI) provides an application programming interface (API) for sending SQL requests to the Teradata Database. Available on many popular platforms, Teradata CLI enables client and server applications to use the same interface to run SQL statements in the Teradata Database.

In addition to the native interface, Teradata CLI includes features that extend the capability of your database system to include large binary object storage and allow customers and other software developers to quickly incorporate Teradata Database access into applications.

Open Database Connectivity Driver for Teradata Database

The Open Database Connectivity (ODBC) Driver for Teradata delivers open standards-based access to the Teradata Database from many popular client applications and tools. By developing applications using the standard ODBC API, users can maximize the application portability across platforms and databases and reduce development and maintenance costs.

Teradata JDBC Driver

The Teradata JDBC Driver is an industry-standard interface that allows you to access the Teradata Database from the Internet and corporate intranets via Java applets or applications. The Teradata JDBC Type 4 driver is a pure Java driver that supports two-tier communications between the client and the Teradata Database and provides high-speed performance and portability across any Java runtime environment. The JDBC Type 4 driver can also be used with J2EE application servers in a three-tier application architecture. The Teradata JDBC Type 4 driver has been certified with BEA® WebLogic Server™ and IBM® WebSphere® to ensure compatibility.

OLE DB Provider for Teradata Database

An OLE DB Provider is a set of Component Object Modules objects that provides applications with standard interfaces to any data repository ranging from flat files to relational databases. The OLE DB Provider for Teradata is based on the OLE DB specification published by Microsoft® Corporation. Like ODBC drivers, the OLE DB Provider for Teradata enables you to develop Windows® applications that are independent of the database.

Microsoft .NET Data Provider for Teradata Database

The Microsoft® .NET™ Data Provider for Teradata is designed to bring the power of Teradata Database to applications developed using the Microsoft .NET framework. It provides a complete set of ADO.NET-compliant components that allows a developer to access, manipulate, and administer data in their Teradata Database using any .NET language such as Visual Basic or C#. It supports all current features of the Teradata Database including triggers and stored procedures, user-defined functions, queue tables, BLOBs, and CLOBs.

Teradata JMS Universal Connector

JMS connector enables the Teradata Database to communicate with other applications via the JMS messaging system. It includes three major components:

~ **User Interface** – Intuitive Web interface designed to promote ease of use.

~ **Extractor service** – Extract database records from queue tables into queues or topics.

~ **Loader service** – Load messages from queues or topic into database tables.

Teradata Plug-in for Eclipse

The Teradata Plug-in for Eclipse brings together the powerful Eclipse Integrated Development Environment (IDE) and the most powerful analytical database, the Teradata Database. The Teradata Plug-in for Eclipse allows applications developed in the popular open source Eclipse IDE to access the Teradata Database following the standards and conventions of the IDE. In addition, it supports the development of Teradata Database constructs such as stored procedures and triggers.

TERADATA DATABASE MANAGEMENT SUPPORT

You must ensure that your database can keep pace with changing requirements and the addition of new users and business applications. You can manage these changing requirements easily with Teradata Utility Pack database management tools. These include:

Teradata SQL Assistant

This Microsoft Windows-based SQL query tool issues queries to any ODBC data source and stores them on your desktop. This information discovery/query tool enables you to combine the data retrieved from ODBC-based databases with desktop applications, such as Excel, to create consolidated roll-ups and reports or to analyze the merged data.

Teradata SQL Assistant records all of your SQL activity complete with source identification, timings, row counts, and your notes. This is especially useful for data mining and knowledge discovery processes because you can use the historical records to build scripts from the SQL that led you to the productive results.

With Teradata SQL Assistant, you easily get the data you need in a useful reporting format—right on your own desktop. Once you've established the rules, Teradata SQL Assistant's historical record allows you to repeat the steps taken to produce actionable results.

Teradata SQL Assistant Java Edition

SQL Assistant Java Edition is an information discovery tool that retrieves data from Teradata Database systems and allows those data to be manipulated and stored on the desktop. It is built on top of the Eclipse Rich Client Platform (RCP). This allows the product to take advantage of the RCP framework for building and deploying native GUI applications to a variety of desktop operating systems. SQL Assistant Java Edition can be run on Windows, Linux®, and Mac OS® X operating systems. The Eclipse platform is designed as an open tools platform, but it's architected so that its components (or a subset of its components) can be used to build RCP applications. This allows SQL Assistant Java Edition to benefit from the many high-quality Eclipse features available while focusing on value-add for Teradata Database.

BTEQ Language

The Basic Teradata Query Language (BTEQ) is a general-purpose, command-based tool that enables you to communicate with one or more Teradata Databases. BTEQ provides a batch or interactive interface that allows you to submit SQL statements, import and export data, and generate reports. BTEQ provides report formatting and routing options for queries. BTEQ can also be used to import and export data between your client and database tables.

Teradata Administrator

Teradata Administrator is an easy-to-use data dictionary management tool. This Windows-based tool interfaces with the Teradata Database Data Dictionary to perform database administration tasks. Teradata Administrator enables you to view the hierarchy of databases and users on a Teradata system. You can then display information about these objects, create new objects, or perform other maintenance functions on the system. You can easily do functions that require complex SQL instructions with the click of a mouse or by entering information into dialogue prompts.

Teradata Administrator electronically records the SQL activity performed during your session. You can save this session trace to a log file, if required, or you can use it as a learning tool for novice DBAs.

Teradata Meta Data Services

Teradata Meta Data Services is a comprehensive solution for managing metadata in data warehouse environments. This solution enables users to locate, consolidate, manage, and navigate data warehouse metadata. Teradata's single, unified approach makes sense to technical and business users alike, helping you reduce training and development costs while increasing end-user self-sufficiency, system utilization, and productivity.

All too often, data warehouse tools cannot share their metadata with other tools, requiring human intervention to re-enter and reconcile differences in metadata. Not only does this increase administration costs, but it allows metadata to become unsynchronized and jeopardizes the quality of data analysis and business decisions.

Teradata Meta Data Services (MDS) helps preserve the integrity of the enterprise data warehouse metadata repository by integrating metadata within your data warehouse, providing a single view of your data. This unified approach to metadata management ultimately stabilizes and ensures that your business decisions are made from a solid version of your corporate enterprise data. In addition, Teradata metadata models can be exchanged with data modeling tools or enterprise metadata repositories via XML or our own API. Teradata MDS helps identify impact analysis, change management, data redundancy, and provides model extensibility to meet metadata management needs.

THE TERADATA DIFFERENCE

At Teradata Corporation, we have a long, successful track record of helping companies manage large volumes of data extracted from multiple operational systems into a single view of data. Teradata Utility Pack unlocks the data in the Teradata system that enables business applications to discover insight and business trends.

FOR MORE INFORMATION

To learn more about how Teradata Utility Pack can help make your Teradata solution even more powerful, contact your Teradata representative or visit **Teradata.com**.

TERADATA UTILITY PACK COMPONENTS

PRODUCT	DESCRIPTION	PLATFORMS
BTEQ	Submits SQL statements and BTEQ commands for reporting and database management functions.	Microsoft Windows, Apple Mac OS X, IBM z/OS, UNIX, Linux
ODBC Driver for Teradata Database	Provides open, standards-based access to Teradata Database from many network-attached clients.	Microsoft Windows, Apple Mac OS X, IBM z/OS, UNIX, Linux
Teradata JDBC Driver	Provides Internet and intranet access to Teradata Database via industry-standard solutions.	Microsoft Windows, Apple Mac OS X, IBM z/OS, UNIX, Linux
OLE DB Provider for Teradata Database	Provides open, standards-based access to Teradata Database from many applications on Windows-based clients.	Microsoft Windows
.NET Data Provider for Teradata Database	Provides the capability of embedding Teradata connectivity into any application developed using the Microsoft .NET Framework.	Microsoft Windows
Teradata Plug-in for Eclipse	Allows applications developed in the Eclipse IDE to access the Teradata Database.	Microsoft Windows
JMS Connector	Enables Teradata Database to communicate with applications via the JMS messaging system.	SAP NetWeaver® 7.0, IBM Websphere 6.1
Teradata CLI	Provides high-speed Teradata Database access from many channel- and network-attached clients.	Microsoft Windows, Apple Mac OS X, IBM z/OS, UNIX, Linux
Teradata SQL Assistant	Retrieves data from various ODBC databases and stores them on the desktop.	Microsoft Windows
Teradata Administrator	Easy-to-use data dictionary management tool that performs database administration tasks.	Microsoft Windows

Figure 1.

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DECISION
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