

# Teradata Database

## Version 2 Release 6.0

### Because Performance Counts

The success of your data warehouse solution has always rested on the performance of your database engine. But as your data requirements grow increasingly more complex, performance becomes more vital



than ever. So does finding a faster, simpler way to manage your data warehouse. You can find that combination of unmatched performance and efficient management in the Teradata® Database.

In fact, we've enhanced the Teradata Database to provide you and your business with new features and functions for even higher levels of performance and efficiency, features that automatically distribute data and balance mixed workloads even in the most complex environments. In addition, the enhanced Teradata Database V2R6.0 makes it easier than ever to work with the analytics needed to build business

intelligence into a competitive advantage, and then deploy that intelligence across your entire enterprise.

This proven high-performance decision support engine offers you a full suite of data access and management tools, plus world-class services based on Teradata Corporation's years of data warehouse experience. It's a unique combination of products and expertise that provides a time-tested data warehousing solution – a solution that brings an array of business advantages to you and your company.

Already the foundation of the world's most successful data warehouses, the Teradata Database is designed for decision support and parallel implementation. And it's as versatile as it is powerful. It supports hundreds of installations, from less than 10GB to mega-sized warehouses with tens of terabytes and thousands of customers. The inherent parallelism of the Teradata Database provides more than pure performance. It also offers low total cost of ownership and a simple, scalable, and self-managing solution for building a successful data warehouse.

### The Best Gets Better

The enhanced Teradata Database V2R6.0 extends Teradata's industry-leading performance in complex analytics and opens the way to a new class of applications that can leverage that business intelligence by integrating it across the enterprise.

The built-in benefits of Teradata Database V2R6.0 let you:

- > Build new analytic, event-initiated, operational applications with External Stored Procedures, Triggers Calling Stored Procedures, and Queue tables.
- > Avoid full table scans through improved IN-List Processing.
- > Improve response time and reduce resource consumption with Recursive Queries.
- > Improve query development productivity using Top N Row operations.
- > Speed query processing with PPI optimizations.
- > Extend automated data movement options with Teradata Replication Services.
- > Enable Single Sign-On within existing secure enterprise environments.

### Built-in Business Benefits

Teradata delivers an array of business benefits that provide a single view of your business, a view that lets you make better, faster decisions and realize top and bottom line growth. In fact, we'll help you:

**Extend decision support capabilities** – Teradata Database can enable more sophisticated Business Intelligence (BI) analysis by optimizing increasingly complex analytics and simplifying their development. That increased performance gets answers to users faster and processes more work in the same time frame.

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**Ease enterprise integration** – Our enterprise extensions allow us to better fit with your enterprise infrastructure. We also offer enhanced security and privacy that complies with all consumer and regulatory legislation. And our enhanced accessibility for external sources, targets, and processes enables multiple language data warehouses for global corporations.

**Enable event-based processing** – Your Teradata solution can help you proactively generate new business by using advanced analytics to intelligently deliver new product or service offers to the front line. We can also help you increase the agility and responsiveness of your operations by leveraging an integrated, centralized, actionable enterprise repository. That includes improving back-office processes by supporting business analysts with information from rules-based applications.

**Increase performance for operational workloads** – Teradata Database lets you acquire data faster than ever for more effective, timely decisions. We'll show you how to extend the operational use of your data warehouse to more easily support front-line applications and decision-makers.

### The Teradata Difference

**Your data warehouse solution depends on its database engine. So make sure the database you select offers:**

- > Effortless scalability through fully parallel operation.
- > Mission-critical availability.
- > Complex and ad-hoc query performance.
- > Mixed workload performance (Ability to keep data current and handle strategic, tactical, and operational queries).
- > Ease of manageability.
- > Simplified mainframe integration.
- > Complete support infrastructure.
- > Reference accounts.
- > Lowest total cost of ownership.

**Streamline management of mixed workloads** – Optimize your data warehouse efficiency and improve business responsiveness with streamlined management of mixed workloads that:

- > Automatically defines workloads based on business needs.
- > Establishes service level goals for multiple workload types.
- > Develops prioritization strategies in accordance with business rules.
- > Monitors adherence to your service level goals.

### For More Information

To learn more about how the Teradata Database can help you build a better data warehouse – and a better business – call your Teradata representative or visit [Teradata.com](http://Teradata.com).

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Teradata.com

## Specifications

<p><b>Database Capacity</b></p> <ul style="list-style-type: none"><li>&gt; 1.023 Petabytes (PB)</li><li>&gt; 512 nodes</li></ul> <p><b>Data Model</b></p> <ul style="list-style-type: none"><li>&gt; Relational</li><li>&gt; ANSI SQL Compatible</li><li>&gt; Full Query Parallelism</li><li>&gt; Balanced Performance</li></ul> <p><b>Architectures Supported</b></p> <ul style="list-style-type: none"><li>&gt; Symmetric Multi-Processing (SMP)</li><li>&gt; Massively Parallel Processing (MPP)</li></ul> <p><b>Operating Systems Supported</b></p> <ul style="list-style-type: none"><li>&gt; UNIX</li><li>&gt; Microsoft Windows</li></ul> <p><b>Client Platforms Supported</b></p> <ul style="list-style-type: none"><li>&gt; MS-DOS, Windows</li><li>&gt; IBM VM, MVS, and OS/2</li><li>&gt; UNIX SVR4 MP-RAS and most other UNIX platforms</li><li>&gt; Linux</li></ul>	<p><b>Mainframe Integration</b></p> <ul style="list-style-type: none"><li>&gt; IBM</li><li>&gt; Amdahl</li><li>&gt; Bull</li></ul> <p><b>Language Preprocessors</b></p> <ul style="list-style-type: none"><li>&gt; PL/1, C, COBOL</li></ul> <p><b>Tools and Utilities</b></p> <ul style="list-style-type: none"><li>&gt; Teradata Manager (database system administrator)</li><li>&gt; Teradata Administration Workstation</li><li>&gt; Teradata TPump (continuous load)</li><li>&gt; Teradata Replication Services (real-time capture and delivery of changed data)</li><li>&gt; Teradata FastLoad (data loading)</li><li>&gt; Teradata MultiLoad (multiple table loading)</li><li>&gt; Teradata FastExport (data extraction)</li><li>&gt; Teradata Archive/Recovery Utility</li><li>&gt; Teradata Dynamic Workload Manager</li></ul>	<ul style="list-style-type: none"><li>&gt; Teradata Analyst Pack<ul style="list-style-type: none"><li>- Teradata Visual Explain</li><li>- Teradata System Emulation Tool</li><li>- Teradata Index Wizard</li><li>- Teradata Statistics Wizard</li></ul></li><li>&gt; Teradata Utility Pack</li><li>&gt; Teradata Warehouse Miner Stats</li><li>&gt; Teradata Warehouse Miner</li><li>&gt; Teradata Profiler (data quality)</li><li>&gt; Teradata Analytic Data Set Generator</li><li>&gt; PocketDBA for Teradata (remote database administration)</li></ul> <p><b>Application Programming Interfaces</b></p> <ul style="list-style-type: none"><li>&gt; ODBC Driver for Teradata</li><li>&gt; JDBC Driver for Teradata</li><li>&gt; OLE-DB Access Module for Teradata</li><li>&gt; Teradata CLI</li><li>&gt; TS/API</li></ul>
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Raising Intelligence