Teradata Data Warehouse Appliance 2650

Simple, Powerful, Cost Effective

The best price for performance appliance in the marketplace

Teradata Corporation makes taking your first step toward an enterprise data warehouse an easy one with the Teradata® Data Warehouse Appliance 2650. With this appliance from Teradata, you can start building your data warehouse and grow it as your needs expand.

Simple

Delivered ready to run, the Teradata Data Warehouse Appliance is a fully-integrated system that's purpose built for data warehousing. The Teradata Data Warehouse Appliance features the industry-leading Teradata Database, a Teradata platform with dual six core Westmere Intel® processors, SUSE® Linux operating system, and enterprise-class storage – all preinstalled into a power-efficient unit. That means you can have the system up and running live in just a few hours for rapid time to value. Best of all, the solution is supported by the most trusted name in data warehousing – Teradata. Plus, this new data warehouse appliance was designed to be easy to set up. Your users will be submitting queries after only a few simple steps:

1. Network connect and power up.
2. Log on, and create users and databases.
3. Define tables and load data using a Teradata load utility.
4. Go – start submitting business queries.

Powerful

The Teradata Data Warehouse Appliance uses the proven high-performance Teradata Database. Established in hundreds of customer sites around the world, it's the most robust database for data warehousing. This appliance's innovative design is optimized for deep-dive analytical analysis. Its software-based, shared nothing architecture delivers *always on* parallelism so even the toughest, most complex queries complete quickly.

Parallel-aware optimizer

> Automatically designs the fastest query plan.

> Can rewrite problem queries on the fly and optimize SQL from BI tools to take advantage of unique Teradata Database performance advantages.

High-performance settings

Primary indexes, multi-level partitioned primary indexes, and aggregate join indexes provide super-fast results and eliminate the need to scan entire tables.

> Straightforward execution with one-time definition.

> No time consuming data or SQL pre-preparation.

TERADATA®
Raising Intelligence

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Robust workload management

> Performance groups assigned to one of four settings: Rush, High, Medium, or Low.

> If the system is not fully utilized, CPU is automatically made available to lower priority performance groups.

> Ensures your queries complete in business time.

> Threshold Exception Actions enable long-running queries to be passed to a lower priority level dynamically based on CPU seconds. This will allow more effective query management.

> System Filters and Throttles help manage queries, sessions, and utilities.

Cost Effective and Easy to Manage

The Teradata Data Warehouse Appliance is so easy to manage, you can free up your DBA resources to do other valuable tasks. With virtualized CPU, memory, and storage all designed to work together as a unit, you get automated management of physical disk space so your database administrators never have to worry about data placement or data reorganization.

And the long-term advantages are clear:

> A single database standard for analytics across your organization – you can eliminate disparate data marts and simplify your organization by standardizing on a Teradata system.

> Leverage your existing resources and tools – with Teradata as your standard for all business intelligence platforms, your DBAs, systems administrators, and application developers can support multiple systems without additional training.

> Easily migrate applications into an enterprise data warehouse from Teradata by leveraging the same data, data models, table structures, views, queries, and load programs. Grow into a Teradata Active Enterprise Data Warehouse platform as your needs evolve.

Complete Service and Support

In addition to hardware and software technology, Teradata offers you a full array of support advantages, including:

> A single vendor for all your support needs; there's no need for third-party coordination.

> Industry certified regional and global Customer Care Centers.

> Experienced service representatives dedicated to data warehouse support.

> Tested and proven support processes.

> Secure remote connectivity options.

A Robust Solution

As the industry leader in data warehousing, Teradata has partnered with other world-class companies to provide you with an array of applications and tools to help you get the most value from your data warehouse. Applications and tools from industry innovators, including Attensity,™ GoldenGate Software,® Harte-Hanks,® IBM® and IBM Cognos,® Informatica,® Information Builders, KXEN,™ MicroStrategy,® Microsoft,® Oracle,® Protegrity, SAP® and SAP Business Objects,® SAS,® TIBCO,® and others, are ready to run on Teradata Database. Since the Teradata Data Warehouse Appliance includes the Teradata Database, you can easily leverage these vendors' tools and applications without any complex integration work.

Why Teradata?

Teradata, the world's largest company solely focused on enterprise data warehousing and analytic solutions, provides powerful solutions for companies of all sizes. Through innovation, consulting services, technology, and industry-specific applications, our customers are outpacing their competition with enterprise agility.

For More Information

To find out how a Teradata Data Warehouse Appliance can make your entry into data warehousing fast, efficient, and cost effective while you improve your decision-making capabilities and grow a stronger, more productive business, contact your local Teradata representative or visit Teradata.com.

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Teradata Data Warehouse Appliance 2650 Description

The Teradata Data Warehouse Appliance 2650 includes:

- Teradata Database 13.10 or higher version
- SUSE Linux 10, SP3 for 64-bit Operating System
- Integrated Cabinet
  - Dual Intel Six Core Westmere Xeon® processors @ 2.93GHz per Node
  - Teradata BYNET® Interconnect software
  - System Management Infrastructure and Teradata Administration
- Disk Capacities (All numbers with 0% compression)
  300GB Drives
  - Third Cabinet – 5.8TB user space
  - Two-Thirds Cabinet – 11.7TB user space
  - Full Cabinet – 17.6TB user space
  600GB Drives
  - Third Cabinet – 11.7TB user space
  - Two-Thirds Cabinet – 23.5TB user space
  - Full Cabinet – 35.2TB user space
  2TB Drives
  - Third Cabinet – 22.8TB user space
  - Two-Thirds Cabinet – 45.7TB user space
  - Full Cabinet – 68.6TB user space
- Scalable up to 6 cabinets and 343 Tera-bytes with 2TB drives

The Teradata Data Warehouse Appliance comes with the Teradata tools and utilities you need to build and maintain your data warehouse, including:

- **Management** – Viewpoint Portlets
- **Data Loading** – Teradata Parallel Transporter Load, Export, and Update Operators

- **Data Management** – Teradata Meta Data Services, Teradata Administrator
- **Connectivity** – ODBC, JDBC, CLI, OLE DB Provider, .NET Data Provider, Plug-in for Eclipse, Data Connector, Database Export Utility
- **SQL Generation** – Teradata SQL Assistant, SQL Assistant/Web Edition, Basic Teradata Query Utility (BTEQ)

Teradata Service Workstation

- Provides single operational view to administer the entire MPP system with local or remote system monitoring.
- Connected via redundant gigabit Ethernet LAN to system elements.
- Enables management of external disk subsystems.
- Microsoft® Windows® 2003-based console server.

Specifications

Cabinet Specifications

- Height: 77 in. (195.6 cm)
- Width: 24 in. (60.96 cm)
- Depth: 45 in. (114.3 cm)
  - 40 in. (101.6 cm) w/o the front and rear doors
- Weight: 1,790 lbs. (812 kg) fully loaded with crate
- Installed Weight: 1,540 lbs. (699 kg) fully loaded w/o crate

Operating Specifications

- Operating Temperature: Allowable: 59°F to 77°F (15°C to 25°C); Recommended: 68°F to 77°F (20°C to 25°C)

- Relative Humidity: Allowable: 20% to 80% (non-condensing); Recommended: 40% to 55%
- Voltage Range: 200/240VAC with Single Phase; 220 - 240/380 - 415, 3~ +N +PE with three phase international
- Frequency: 50Hz – 60Hz
- Current: 24 amps – Four cords with 30 ampere North American – plugs – L6-30P and 32 amps with two cords three phase IEC plug
- Power: 8.8kW
- Dual AC: Standard
- Compliant with U.S. and International Safety and Emissions Standards

Support Services

Core Support/Core Advantage/ Business Critical

- Integrated hardware and software maintenance and support
- Secure remote connectivity
- Fast response times
- Flexible coverage hours (7x24 and 8x5)
- Robust diagnostic capabilities with Teradata Vital Infrastructure
- Easy access to software updates via Teradata @ Your Service
- Proactive system monitoring
- Software release management and installation
- Service and support reporting and reviews
- On-site spare parts

Implementation Services

- System Installation
- Software Implementation

Intel® Xeon® inside™
Powerful. Intelligent.

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