



News Release

# Teradata Announces the World's Most Powerful Analytic Database, Available Everywhere

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Teradata Database is easily deployed on any combination of Amazon Web Services, Microsoft Azure, Teradata Managed Cloud, VMware®, and Teradata IntelliFlex™

Teradata (NYSE: **TDC**), a leading analytics solutions company, today announced Teradata Everywhere™, an industry first that brings the world's most powerful massively parallel processing (MPP) analytic database to multiple public clouds, managed cloud, and on-premises environments including Amazon Web Services, Microsoft Azure, Teradata Managed Cloud, VMware® virtualization software, and the Teradata IntelliFlex™ platform. As companies move toward hybrid cloud architectures, Teradata is leading the industry by offering customers choice and ensuring database compatibility across deployment modes. Teradata Everywhere delivers the flexibility to implement a hybrid architecture with a common database that enables shifting of workloads between environments as business needs evolve, supporting a company's changing deployment strategy and economic needs.

To deliver optimal performance and flexibility across these deployment options, Teradata is enhancing core features of the Teradata Database. The newest MAPS architecture will provide elasticity to seamlessly expand or shrink a Teradata data warehouse to scale alongside changing business needs. MAPS will also provide higher concurrency and more consistent performance of tactical queries. AdditiTonally, the Teradata Database's Adaptive Optimizer will automatically adjust to its host environment to provide the most efficient query plans, fastest query execution, and the most efficient system utilization.

"It's all about customer choice without sacrifice. Companies need their data and analytic environment to be agile,



multi-faceted, and flexible,” said Oliver Ratzesberger, Executive Vice President and Chief Product Officer at Teradata. “Teradata Everywhere means that the exact same Teradata Database can be deployed on-premises and in the cloud. Regardless of the combination, Teradata is leading the industry in delivering this capability. Companies can concentrate their energy on running analytics to improve their business rather than engineering compatibility between their environments.”

Teradata Database is the first MPP analytic database customizable across multiple public clouds, managed cloud, VMware virtualization, and purpose-built appliances. Teradata Everywhere brings Teradata performance to these systems, and it is available globally unless otherwise indicated:

### **Teradata Database on Amazon Web Services**

Teradata Database, already available on AWS Marketplace in nearly a dozen geographic regions around the world, is now available in a massively parallel processing configuration, scalable up to 32 nodes. The latest iteration of Teradata Database on AWS includes powerful performance, reliability, and convenience updates including: automatic node failure recovery; backup, restore, and querying of data in Amazon Simple Storage Service (S3); and one-click deployment automation via software ecosystem launch templates. Teradata Database on AWS is available now in all regions except AWS GovCloud, South America, and China.

### **Teradata Database on Microsoft Azure**

Teradata Database will be available for the first time on Microsoft Azure Marketplace, giving customers the choice of full Teradata Database capabilities on-demand and on a pay-as-you-go basis. Coming soon to Azure Marketplace, Teradata Database on Azure will offer full features and a massively parallel processing configuration, scalable to up to 32 nodes. Teradata Database on Azure is targeted to be available in most regions in Q4, 2016, except US Gov Iowa, US Gov Virginia, West India, and China.

### **Teradata Managed Cloud in Germany**

In addition to being served from Teradata-provisioned data centers in the United States, the Teradata Database is now available in the Teradata Managed Cloud in Europe, hosted on data center infrastructure in Germany. Monitored and overseen by dedicated Teradata experts, Teradata Managed Cloud allows customers to focus on analytics and business insight rather than on IT infrastructure management. Target availability in Europe is Q3, 2016.

### **Teradata Database on VMware**

Teradata Virtual Machine Edition (TVME) delivers the full-featured Teradata Database in a preconfigured, ready-to-run virtual machine image for any company’s VMware environment. Companies can utilize their existing virtualization infrastructure to deploy a Teradata data warehouse on up to 32 virtual nodes. TVME comes with

flexible licensing terms which allow companies to scale configurations up or down as requirements change, even employing multiple instances for special purposes such as test or development. Target availability is Q3, 2016.

### **Teradata Database on IntelliFlex™**

Teradata Database takes full advantage of Teradata's next-generation IntelliFlex platform that offers independent scaling of processing power and storage capacity, advanced in-memory computing, and reduced downtime for system expansions. Teradata's cutting-edge platform will be further enhanced with even more powerful features:

- 2x performance density with up to 12 nodes per cabinet
- 2x memory with up to 1TB per node
- All SSD configurations for maximum query responsiveness

IntelliFlex is available now, with new features targeted for Q4, 2016.

### Teradata Database MAPS architecture

The Teradata Database MAPS architecture will provide high data availability across the analytical ecosystem. The feature eliminates data redistribution time following a system expansion by performing table-at-a-time online reconfiguration, selectively redistributing tables at the most convenient time. MAPS will provide:

- ~ 90% reduction in downtime when a system is being expanded
- Cloud elasticity to expand/shrink a Teradata Database system
- More consistent tactical query performance with higher query concurrency

Targeted availability is Q2, 2017.

### Teradata Database Adaptive Optimizer

The Teradata Database's optimizer has long been heralded by customers and analysts as the gold standard for optimizers. Beginning in Q2, 2017, the Optimizer feature will be enhanced with in-stream query re-planning which modifies query steps during query execution using actual versus estimated results. New, adaptive platform-specific costing will recognize and adapt to the host platform, enabling Teradata Everywhere to deliver optimized, platform-specific performance.

"The ability of an organization to manage, analyze, and derive value from data will increasingly depend on optimal data management, which can be enhanced by having platform choices – ones that a business can quickly adapt to changing business requirements," said Dan Vesset, GVP, Analytics and Information Management, IDC. "Platform choices can help ensure that technology doesn't get in the way of business – rather choices support adaptability and optimal data management."

"Having the same Teradata Database with the same capabilities and SQL in our on-premises IDW and in the Teradata Managed Cloud gives us a live test system which also serves as an off-site disaster recovery system

without using any data center floor space or management resources,” said Brian Tournier, Director of BI Technology and Infrastructure, Meredith Corporation. “Adding the same Teradata Database in the public cloud to our mix would give us the perfect hybrid environment to cost-effectively handle peak loads or unexpected new applications without budgeting for excess capacity.”

Teradata Everywhere™ works in tandem with Teradata Borderless Analytics to power business transformation and new business models. The various Teradata Everywhere™ product enhancements announced today will become generally available beginning in Q3 2016 through Q2 2017.

#### Relevant News Links

- A new blog on Teradata Everywhere™ by Oliver Ratzesberger is **posted here**.
- The Teradata Borderless Analytics press release can be accessed [here](#).

#### About Teradata

At Teradata, we believe that people thrive when empowered with trusted information. We offer the most complete cloud analytics and data platform for AI. By delivering harmonized data and trusted AI, we enable more confident decision-making, unlock faster innovation, and drive the impactful business results organizations need most. See how at **Teradata.com**.

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