



News Release

Teradata IntelliFlex Delivers Unprecedented Jump in Performance, Storage Density and Energy Efficiency with All-memory SSD Platform

2017-04-03

Upgraded Teradata IntelliFlex and new Teradata IntelliBase platforms give customers choice and flexibility to support wide-ranging workloads, budgets and technologies

TERADATA UNIVERSE CONFERENCE, NICE, FRANCE – April 3, 2017 – **Teradata** (NYSE: **TDC**), the leading data and analytics company, today announced an all-memory update to its flagship Teradata IntelliFlex™ platform that delivers extreme performance and storage density in a single, ultra-efficient cabinet. The upgrades are empowered by a move to all solid state drives (SSD), which make it possible to reduce required data center space while delivering a massive increase in processing power for mission-critical analytics at the speed-of-thought. Teradata also announced the new, ready-to-run Teradata IntelliBase™ platform – revolutionary in its single cabinet support for multiple software technologies, re-deployable hardware, and low, commodity hardware price-point.

Both products are offered on-premises, with **Teradata IntelliCloud™** availability coming soon, and run the same Teradata database software to enable a high-performance hybrid cloud solution. Together, these platforms give customers new options that can help drive new business revenue opportunities, mitigate operational costs, and accelerate customer service.

With the massive growth in data, companies depend on trusted analytics to turn that data into valuable and timely insights to drive business decisions and compete effectively. They are employing increasingly advanced analytic techniques and putting that power into the hands of more users across their organization. As business demand for analytics increases, a powerful and elastic infrastructure is required to handle planned and unplanned spikes in demand.

“Our customers are experiencing unprecedented growth in their advanced analytics needs and now require massive gains in their data warehouse compute power,” said Oliver Ratzesberger, Executive Vice President and Chief Product Officer at Teradata. “We specifically designed IntelliFlex to meet these demands inexhaustibly. By transitioning to all SSDs we now provide an all-memory appliance capable of delivering up to seven times the compute power per cabinet of our previous product – plus rapid performance elasticity that is simply unmatched in our market. We are providing our customers with more performance, more storage, and more memory in the same footprint, and at half the energy consumed per unit of performance delivered.”

Superior Teradata IntelliFlex Platform

Teradata IntelliFlex, launched in early 2016, delivered a revolutionary, fabric-based architecture that enables the independent scaling of processing power and storage to match changing workload requirements. In its third release over the last 12 months, Teradata continues the rapid innovation of its flagship IntelliFlex platform. Despite providing orders of magnitude better performance than hard disk drives (HDDs), SSDs have been cost prohibitive to include as standard equipment in a data warehouse appliance. However, SSD capacities have continued to increase while prices have declined. Teradata is the first to recognize and take advantage of this industry trend, making SSDs the preferred storage for enterprise-level analytics appliances.

Features of the new IntelliFlex cabinet (compared to the previous generation product) include:

- Massive, up to 7.5x increase in processing power for compute-intensive analytics using dual 18-core Intel® Xeon® processors
- Faster execution of data warehouse analytics with speeds up to 4.5x greater
- Lower data center costs by enabling up to 3.5x customer data space
- Reduced carbon footprint with up to 2x performance per kW of energy used

Versatile Teradata IntelliBase Platform

For entry-level data and analytic needs, Teradata created IntelliBase – a low cost solution capable of delivering a complete logical data warehouse in a solitary cabinet, with single vendor support. Enabling multiple technologies to run in the same IntelliBase cabinet makes this new platform extremely efficient and economical. As a true “all-in-one” engineered solution, IntelliBase enables companies to architect their analytic ecosystems to match their needs today, but also provides the versatility to repurpose hardware to meet tomorrow’s changing business requirements. For example, a compute node used for Hadoop can later be converted to run Teradata Database, providing ultimate flexibility and investment protection for customers despite IntelliBase being engineered as a low-

cost, commodity alternative.

“Customers are demanding flexibility. The emergence of Hadoop and big data analytics doesn’t replace traditional data warehousing, it complements them,” said Tony Baer, principal analyst at Ovum. “Teradata is taking advantage of advances in commodity infrastructure and combining it with its own value-add to deliver an engineered platform that gives analytics users the best of both worlds. On the same platform, Teradata is giving customers the choice of balancing disparate requirements between cost, service level requirements, and the ability to take advantage of the different types of analytics.”

IntelliBase features:

- Multiple technologies packaged into a single, low-cost, data-center-friendly cabinet
- Complete, single-vendor support for Teradata Database, Aster Analytics, and Hadoop
- Support for Teradata ecosystem enabling applications: QueryGrid, Unity, Data Mover, Ecosystem Manager, Viewpoint, Listener, and more....
- Investment protection with hardware that can be redeployed between technologies with software re-imaging

Teradata IntelliBase and the new all-SSD IntelliFlex products will be available in Q2 2017. Both products will be available on Teradata IntelliCloud later this year.

To learn more, please:

- Understand the advantages of **IntelliFlex**
- Explore the new **IntelliBase platform**
- Talk with company representatives at Teradata Universe, April 2 – 5, 2017 in Nice, France

Relevant News Links

- **Teradata Achieves Highest Position for Completeness of Vision in Data Management Solutions for Analytics Magic Quadrant** – [Access the report here](#)
- **Teradata Scores Highest in All Use Cases in 2017 Gartner Report: Critical Capabilities for Data Management Solutions for Analytics** – [Access the report here](#)
- Teradata is named a leader in The Forrester Wave (tm): In-Memory Databases, Q1 2017
- **Unprecedented Power & Performance Upgrades for Teradata IntelliFlex**
- **Teradata Launches IntelliCloud**

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**.

Media Contact

Jennifer Donahue

Teradata

Jennifer.Donahue@Teradata.com