



News Release

Teradata Announces ClearScape Analytics: The Most Powerful, Open, and Connected Cloud Analytics Available in the Industry

2022-08-29

ClearScape Analytics operationalizes AI/ML at scale with the most robust in-database functionality of any analytics offering today to solve organizations' most complex problems

ClearScape Analytics – which encompasses the same high-performing analytics that Teradata is known for but with 50+ new analytic functions – is available as part of Teradata VantageCloud and the new Teradata VantageCloud Lake, also launched today

Teradata (NYSE: **TDC**) today announced ClearScape Analytics, the significantly expanded and newly named analytics capabilities that span the entire suite of Vantage products. Teradata Vantage's industry-leading analytics have long been the cornerstone of the platform's appeal to enterprise customers for its ability to accelerate data insights and time to value. With these new capabilities, Vantage customers can now take advantage of the most in-database analytic functions anywhere in the market and critical artificial intelligence/machine learning (AI/ML) model management tools (i.e., ModelOps) to meet the growing analytic demands of their organizations.

These newly released features elevate Teradata's analytics capabilities even further beyond competitors by introducing more than 50 new in-database time series and ML functions, and integrated ModelOps that are designed to rapidly operationalize AI/ML initiatives. This new functionality – in combination with the launch of **Teradata VantageCloud Lake**, Teradata's first product based on all-new, next-generation cloud-native architecture, also announced today – is intended to provide customers the ability to activate massive amounts of data and solve complex business challenges with a robust library of open and connected analytics tools designed to provide autonomy, ease of access, and real-time insights.



“Data is only as valuable as its ability to be synthesized for actionable, real-world insights that drive better outcomes,” said Hillary Ashton, Chief Product Officer at Teradata. “Over its 40+ year history, Teradata has been laser-focused on helping customers extract the most value from their data with consistently high performance, unmatched scalability, and a trove of analytic functionality. With the launch of Teradata VantageCloud Lake and the availability of ClearScape Analytics across the VantageCloud platform, Teradata is continuing its tradition of listening to its customers and helping them accelerate their digital transformations by providing a data platform that is born in the cloud with end-to-end support for advanced analytics across the cloud ecosystem.”

ClearScape Analytics’ new in-database time series functions span the entire analytics lifecycle, from data transformation and statistical hypothesis tests, to feature engineering and machine learning modeling. Because these functions are built into the database, they are highly performant and require limited data movement. This can represent significant cost and friction reduction, particularly when an organization wants to apply time-series analytics on large volumes of data such as millions of products or billions of sensors. When the results of these analytic functions, such as forecasts, are stored inside the database, organizations can easily integrate that with other data. For example, a manufacturer could integrate a sensor anomaly detection score with the location of a machine and find out the location of a predicted failure, or a global retailer could integrate forecast results with price to predict revenue.

Additionally, with ClearScape Analytics, complex machine learning functions can be easily integrated into analytic pipelines – a collection of related operations that go from data preparation all the way through modeling and deployment – but packaged together to address specific problems. For example, a classification pipeline can be tweaked and tuned specifically for fraud detection that might go into a financial application, or a time series pipeline might be used for demand forecasting in a retail or manufacturing scenario. And with ModelOps embedded into ClearScape Analytics, organizations will be able to quickly scale AI/ML initiatives to unlock the full value of their investment while mitigating risk. ModelOps plays a key role in model governance and risk management, which will become increasingly important as companies send more models into production.

“Teradata’s comprehensive analytics offering has long helped organizations make the most use of their data, regardless of where it sits within an organization,” said Dan Vesset, Group VP, analytics and information management market research at IDC. “Teradata’s continued investment in this area with ClearScape Analytics underscores its commitment to help customers operationalize analytics and AI/ML at scale to solve the most pressing business challenges – from real-time customer personalization to supply chain optimization —across all industries.”

ClearScape Analytics Details

The recent additions to ClearScape Analytics significantly expand the overall capabilities of Teradata **VantageCloud**

and are intended to deliver value at every stage of the analytics lifecycle.

Key benefits of ClearScape Analytics include:

- Solve more complex problems with newly added in-database analytics capabilities – *NEW*
 - Teradata's recently expanded in-database analytics library includes more than 50 new time series functions as well as a broad array of machine learning capabilities that are designed to support full end-to-end machine learning pipelines. These native functions make it possible to process machine learning at scale. Teradata VantageCloud is designed to not only supports scaling massive amounts of data, but also to enable larger model complexity, including significantly more model variables, for deeper insights.
- Deploy models confidently with integrated ModelOps – *NEW*
 - Despite the significant investments most organizations put into AI/ML, most predictive models are never implemented into production. Teradata VantageCloud makes it easier than ever to operationalize these investments using its governed ModelOps tool which is designed to supply the framework to manage, deploy, monitor, and maintain analytic outcomes. Teradata VantageCloud ModelOps includes capabilities such as auditing datasets, code tracking, model approval workflows, monitoring model performance, as well as alerting when models become non-performing. ModelOps can be leveraged to schedule model retraining as organizations drive towards autonomous retraining based on data drifts.
- Activate more resources by allowing experts to work with tools of their choice – *ENHANCED*
 - With VantageCloud, data teams can use the languages and tools of their choice (e.g., Dataiku, Python, H2O.ai, etc.) which makes it easier for businesses to tap into analytic talent across the organization. Models developed outside of Teradata VantageCloud can be imported directly into Teradata VantageCloud to be run in parallel and at scale. In addition, integration with services such as Amazon SageMaker allow data science teams to tap into the expanding array of data science services in the cloud.
- Drive more collaboration and efficiency with the enterprise feature store – *ENHANCED*
 - Greater value can be achieved when data teams work collaboratively across the organization to drive business results. By leveraging Teradata's feature store to foster collaboration and reuse models, organizations often see a significant reduction in the amount of effort spent on data preparation and feature definition. This makes trying out new ideas easier, faster, and less expensive.

Availability: ClearScape Analytics is available today.

Note to Investors

This release contains forward-looking statements within the meaning of Section 21E of the Securities and Exchange Act of



1934. Forward-looking statements generally relate to opinions, beliefs, and projections of expected future financial and operating performance, business trends, liquidity, and market conditions, among other things. These forward-looking statements are based upon current expectations and assumptions and often can be identified by words such as “expect,” “strive,” “looking ahead,” “outlook,” “guidance,” “forecast,” “anticipate,” “continue,” “plan,” “estimate,” “believe,” “will,” “would,” “likely,” “intend,” “potential,” “designed,” “can,” or similar expressions. Forward-looking statements involve risks and uncertainties that could cause actual results to differ materially, including those relating to: the rapidly changing and intensely competitive nature of the information technology industry and the data analytics business; the timely and successful development, production, availability, market acceptance, and/or performance of new and existing products, product features and services, including Teradata VantageCloud Lake, Teradata VantageCloud Enterprise, and ClearScape Analytics; and other factors described from time to time in Teradata’s filings with the U.S. Securities and Exchange Commission, including its most recent annual report on Form 10-K, and subsequent quarterly reports on Forms 10-Q or current reports on Forms 8-K, as well as Teradata’s annual report to stockholders. Teradata does not undertake any obligation to publicly update or revise any forward-looking statements, whether as a result of new information, future events or otherwise, except as required by law.

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](https://www.teradata.com)**.

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