

Teradata Vantage on Azure

Go from Analytics to Answers

Teradata Vantage™ on Microsoft Azure is an advanced software platform that unifies analytics, data lakes, and data warehouses, all in the cloud. Vantage uses 100 percent of available data to uncover real-time business intelligence at scale. Users can see all data from across the entire organization in one place, whenever it's needed.

Optimize workload performance and costs by scaling compute or storage as needed. Join with and query data in Azure Blob, Azure Data Lake Storage, HDInsight, Hadoop, and more. Integrate with preferred data pipeline, business intelligence, and visualization tools. Migrate workloads with low risk between on-premises and Azure because it's the same software everywhere.

Get answers quickly without moving data or writing complex code. Delegate performance, security, availability, and operations to Teradata with an as-a-service subscription on Azure. Pay only for what's used with consumption (pay-as-you-go) pricing.

As-a-Service Offering

Vantage on Azure is a managed offering for analytics at scale. It provides secure, scalable, single-tenant environments in which Teradata provisions and maintains the Vantage system. Subscriptions include Vantage software, Azure infrastructure, and environment management.

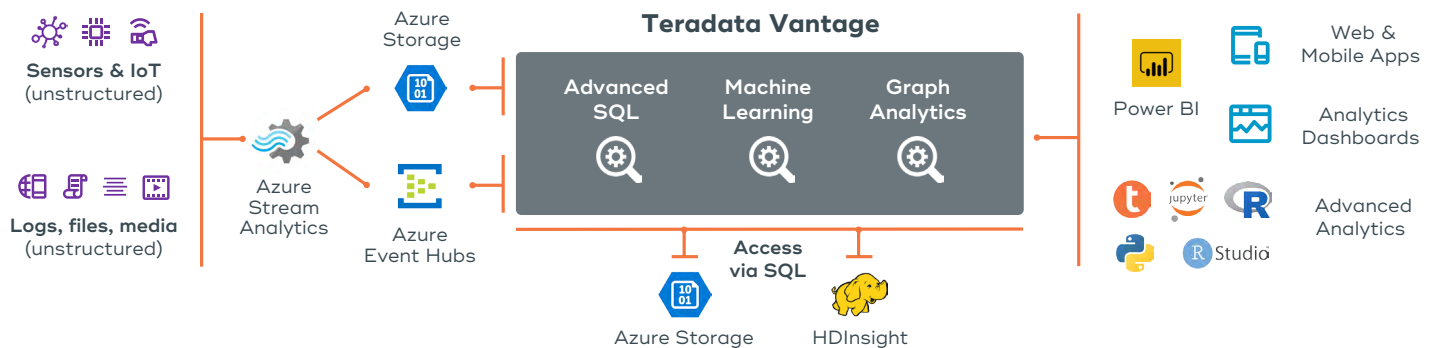


Figure 1. Teradata Vantage Integrates with Many Azure First-Party Services.

Your Tools, Your Way

Vantage supports R, Python, Teradata Studio, Jupyter, RStudio, and any SQL-based tool. Connect seamlessly with support through plug-ins, extensions, and connectors. Leverage existing investments without re-coding to minimize risk.

De-Risk Decisions

Vantage offers license portability between on-premises and the cloud. That means no more locked-in licenses, no more penalties or fees for making a change, and no more limits on the ability to extract answers from data.

Unified Environment

Vantage combines descriptive, predictive, and prescriptive analytics using SQL, R, and Python with autonomous decisioning into an integrated platform. Use all available data for the best possible answers without needing to move data.

Key Benefits of Vantage on Azure:

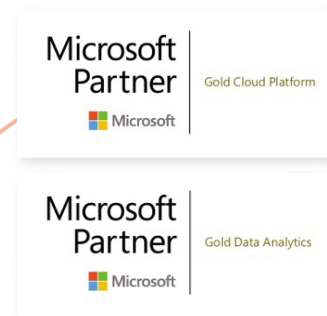
- Enterprise security and audited compliance
- Encryption of data in motion and at rest
- Service availability guarantee for 99.9 percent uptime
- System maintenance and patch management
- Easy scaling through the console or API calls

Use Teradata Vantage on Azure to solve complex analytical challenges.

Use Case	Requirements	Key Benefits
Production Analytics <ul style="list-style-type: none"> Fraud detection Churn mitigation Sales personalization Asset maintenance optimization and risk reduction 	<ul style="list-style-type: none"> Performance and reliability at scale Ingestion of different data types from various sources Support for popular tools, technologies, and services 	<ul style="list-style-type: none"> Run concurrent queries using data in Azure Blob, Azure Data Lake Store, and HDInsight Use 100 percent of available data to deliver unified analytics without having to move data Integrate with favorite tools and technologies such as Informatica, MicroStrategy, Power BI, Qlik, Tableau, and more Choose from myriad prebuilt analytic functions including path, pattern, and attribution
Test and Development or Proofs of Concept <ul style="list-style-type: none"> Temporary, full-feature systems 	<ul style="list-style-type: none"> On-demand environments Support for popular tools, languages, and processes 	<ul style="list-style-type: none"> Run test/dev workloads on Azure separate from on-premises production environments Spin up a fully-functional POC environment on Azure and turn it off when done Build with preferred tools and languages (e.g., SQL, Python, R, open source, commercial)
Discovery Analytics <ul style="list-style-type: none"> Explore fresh data sets Join owned with partner data 	<ul style="list-style-type: none"> Rapid deployment in a secure environment Consistent software with production systems 	<ul style="list-style-type: none"> Empower business analysts and data scientists to load and join data on their own on Azure Try new ideas fast without disrupting operational environments or requiring multiple levels of approval
Business Continuity <ul style="list-style-type: none"> Disaster Recovery as-a-Service (DRaaS) 	<ul style="list-style-type: none"> Independent infrastructure from test/dev environment Cost-effective, scalable solution 	<ul style="list-style-type: none"> Separate compute and storage on Azure to create an agile, cost-effective DR solution Choose Teradata's DRaaS solution using existing advocated BAR setup (NetBackup and Data Domain) for a managed DR environment
Cloud Migration <ul style="list-style-type: none"> License portability from on-premises to the cloud 	<ul style="list-style-type: none"> Modernized analytics ecosystem Optimization of existing investment Reduced migration risk 	<ul style="list-style-type: none"> Transfer on-premises Teradata software licenses and analytic applications as-is Rightsize systems by starting small and scaling only when needed Move to cloud on any timeline with DRaaS on GCP to back into the migration

About Teradata

Teradata leverages all of the data, all of the time, so you can analyze anything, deploy anywhere, and deliver analytics that matter. By providing answers to the complexity, cost, and inadequacy of today's analytics, Teradata is transforming how businesses work and people live. Get the answer at [Teradata.com](https://www.teradata.com).



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