6 CAPABILITIES YOU NEED FOR A MODERN CLOUD ANALYTICS PLATFORM

The following are six critical capabilities that must be considered when choosing the right modern cloud analytics platform for your business.

1. **Built for a Hybrid Multi-Cloud World**
   - Cloud services are rapidly becoming the foundation changing how business runs in a hybrid multi-cloud world.
   - You need a cloud platform that can seamlessly coordinate analytics across multiple clouds (AWS, Azure, GCP) and on-premises, while still allowing for high-speed information movement between clouds.
   - Modern capabilities include the ability to manage and start/stop resources without IT intervention.
   - You need an architecture that separates compute from storage while still allowing for scalable analytics and the ability to natively integrate with these services to build a data and analytics ecosystem.

2. **Separation of Compute and Storage with Elastic Scaling**
   - You need an architecture that separates compute from storage while still allowing for dynamic resource allocation and scalable analytics.
   - Modern capabilities include the ability to manage and start/stop resources without IT intervention.
   - You need an architecture that separates compute from storage while still allowing for scalable analytics.

3. **Integration with First Party Data Sources**
   - A modern platform must not only process or query structured (i.e., traditional) data, but also needs native support for newer semi-structured and unstructured data types (e.g., JSON, Avro, Parquet). Data types and data sources are evolving at a rapid pace to meet the demands of today’s modern analytics and business needs.
   - Modern capabilities include the ability to natively integrate with these services to build a data and analytics ecosystem.

4. **Ingestion of Modern Data Sources**
   - A modern platform must not only process or query structured (i.e., traditional) data, but also needs native support for newer semi-structured and unstructured data types (e.g., JSON, Avro, Parquet). Data types and data sources are evolving at a rapid pace to meet the demands of today’s modern analytics and business needs.
   - Modern capabilities include the ability to natively integrate with these services to build a data and analytics ecosystem.

5. **Integrated Data Management and Scalable Analytics**
   - A modern platform needs to unify analytics and data management, enabling skills-expansion, modeling, and sourcing of data at scale, in a way to meet environment.
   - You need automated data management functions to federate and federate the cloud with big data sources, structured (i.e., traditional) data, but also needs native support for newer semi-structured and unstructured data types (e.g., JSON, Avro, Parquet). Data types and data sources are evolving at a rapid pace to meet the demands of today’s modern analytics and business needs.
   - Modern capabilities include the ability to natively integrate with these services to build a data and analytics ecosystem.

6. **Dynamic Resource Allocation and Workload Management**
   - Modern capabilities enable the ability to manage resources and user workloads dynamically and efficiently.
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Teradata Vantage™ is built for a hybrid multi-cloud world. The Vertica modern architecture unlocks the ability to manage and start/stop resources without IT intervention and the ability to natively integrate with services across Amazon Web Services, Microsoft Azure, and/or Google Cloud. Cloud-to-cloud and on-premises capabilities enable self-service scale/up/down/in/out and start/stop, eliminating the need for IT intervention.

Modern cloud capabilities cost-effectively support the demands of both data and user workloads dynamically. Wherever you are on your journey towards modernization and cloud, Teradata can help you scale, govern, and optimize your modern cloud analytics platform that meets the needs of your business.