



Hybrid-Cloud and Multicloud Analytical Data Platforms

These leading analytical data platforms are available as software, for on-premises/private-cloud deployment, and as database-as-a-service offerings on multiple public clouds

Q1 2023 CONSTELLATION SHORTLIST

The Constellation ShortList™ presents vendors on different categories of the market relevant to early adopters. In addition, products included in this document meet the threshold criteria for this category as determined by Constellation Research.

This Constellation ShortList of vendors for a market category is compiled through conversations with early adopter clients, independent analysis and briefings with vendors and partners.

ABOUT THIS SHORTLIST

This ShortList focuses on analytical data platforms that can deliver the ultimate in query performance, even in high-scale deployments. These products also support high concurrency in terms of number of queries and numbers of users. Finally, these products also handle advanced SQL and data science workloads, including machine learning, through extended support for algorithms expressed in non-SQL languages, such as Python.

This ShortList presents Constellation's pick of analytical data platforms that are available both as software, for on-premises/private-cloud deployment, and as database services across multiple public clouds. This combination provides the best advantages of cloud computing while avoiding lock-in and fostering hybrid-deployment and cloud portability.

The name of this ShortList has been revised from "Hybrid and Multicloud relational database management systems (RDBMS)" to "Hybrid and Multicloud Analytical Data Platforms" to emphasize their support for data science use cases beyond the boundaries of SQL/relational analysis. The vendors included on this ShortList remain unchanged since its publication in Q1 2022.

4 SOLUTIONS TO KNOW

Constellation evaluates more than 20 products categorized in this market. This Constellation ShortList is determined by client inquiries, partner conversations, customer references, vendor selection projects, market share and internal research.



ORACLE DATABASE



SAP HANA/SAP DATA WAREHOUSE CLOUD



TERADATA VANTAGE/VANTAGE CLOUD



VERTICA/VERTICA ACCELERATOR

LIKE WHAT YOU SEE?

Consider partnering with Constellation Research on your go-to-market strategy. Email ShortList@ConstellationR.com for more info.

To learn more about Constellation Research Shortlists visit: www.constellationr.com/ShortList



THRESHOLD CRITERIA

Constellation considers the following criteria for these solutions:

- Delivers state-of-the-art query performance, even in high-scale deployments scaling into the hundreds of terabytes
- Supports high concurrency, in terms of numbers of queries and numbers of users, with advanced query optimization and workload management features
- Offers advanced SQL functionality and extended support for data-science workloads expressed in non-SQL languages including Python
- Available as software for on-premises/private-cloud deployment
- Available as a cloud service on multiple major public clouds
- Database software provider supports its own cloud service, offering service guarantees and a single source for support

BUSINESS THEMES



Technology Optimization



Data to Decisions

ABOUT CONSTELLATION RESEARCH

As an award-winning Silicon Valley-based strategic advisory and futurist analyst firm, Constellation Research serves leaders and organizations navigating the challenges of digital strategy, business-model disruption and digital transformation. Constellation works closely with solution providers, partners, C-suite executives, board of directors, and its Constellation Executive Network of buy-side leaders to lead the way in research coverage and advise clients how to achieve valuable business results.

FREQUENCY OF EVALUATION

Each Constellation ShortList is updated at least once per year. Updates may occur after six months if deemed necessary.

EVALUATION SERVICES

Constellation clients can work with the analyst and the research team to conduct a more thorough discussion of this ShortList. Constellation can also provide guidance in vendor selection and contract negotiation.



Doug Henschen VP & Principal Analyst

Doug Henschen focuses on data-driven decision making. His Data-to-Decisions research examines how organizations employ data analysis to gain a deeper understanding of customers, partners, employees, and operations and to reimagine business models. His research acknowledges that innovative, data-driven applications require a multi-disciplinary approach, starting with integration and orchestration technologies, embracing next-generation data platforms, continuing through business intelligence and analytics, and applying cutting-edge machine learning and artificial intelligence techniques.

