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

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

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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.