



Rocket® Vertica® Version Comparison

How upgrading can improve your Vertica investment

Upgrading to the latest version of Rocket® Vertica® provides improved performance, enhanced scalability, better disaster recovery, streamlined resource management, stronger security, optimized cloud-native deployments, seamless data integration, and an overall boost in efficiency and ROI potential, ensuring a more efficient and future-ready analytics platform.

Rocket Vertica Feature	Benefits	25.1	24.4	24.3	24.2	24.1	23.4
Online upgrade for major releases	Perform upgrades with zero hard downtime.	✓					
Cloud cost optimization	Higher levels of operational reporting to support cloud cost optimization.	✓					
Airbyte Postgres connector integration	Automate data migration and syncing, reducing manual effort.	✓					
Intuitive UI/UX for Eon Mode	Smarter way to manage and operate their Analytics Database.	✓	✓				
Support for ARM architecture	Increased parallel processing with ARM chipsets that offer better performance and efficiency.	✓	✓				
Depot improvements	Get better performance, scalability and efficient data loading.	✓	✓				
Support for Voltage SecureData 7.0.1 and 7.0.2	Safeguard sensitive data using advanced protection features such as encryption and tokenization.	✓	✓				
PostgreSQL support	Support Postgres third part EcoSystem.	✓	✓				
Object Stores monitoring	Object Stores monitoring dashboard to understand I/O metrics.	✓	✓				
Health watchdog	Automatically detects and blocks queries during bad health conditions on the server.	✓	✓				

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Parquet scans enabled	Parquet scans enabled.						
REST API	REST API published to automate database operations.						
Query profiler notebooks	Python-based application that visually represents query plans.						
Provision large scale clusters	Scale Vertica clusters to 60 nodes by default, with the flexibility to expand to 120 nodes on AWS® for greater cloud scalability.						
Kubernetes seamless upgrades	With Kubernetes handling the orchestration, perform upgrades and data replication in a controlled, rolling fashion without service interruptions. Backup and restore initiated in 24.2.						
Data pipeline	Data pipeline for automated data streaming.						
Database Operations SDK	Database Operations SDK published to enable integrators to automate database operations.						
VerticaPy availability	VerticaPy 1.0.0 and 1.0.1 released Query Profiler in 25.1.						
Iceberg Tables	Iceberg Tables support (read only).						
In-database restoration points	Experience faster recovery, minimal downtime, improved data protection, and operational continuity.						
Apache Flink plug-ins	Get faster, more efficient integration with streaming data, including event processing via Flink.						
Serverless compute for external tables	Spin up nodes as needed for analysis of any data, internal format or data lake format.						
Near-zero downtime hot fixes	Without taking the database offline, perform hot fixes, minimizing disruption.						
Support for VAR & PLS regression models	Enables advanced time series analysis and predictive modeling, helping you uncover insights from complex data patterns and make more accurate decisions.						

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Automatic role assignment and enhanced security parameters	Improve user access management, reduce the potential for human error, and strengthen security by enforcing tighter control over permissions.	✓	✓	✓	✓		
Automated Workload Routing	Increase ROI 3× through more efficient execution of every workload, automatically channeling each one to the best-suited hardware.	✓	✓	✓	✓	✓	
Data loader	Automatically import data, eliminating the need for manual copy command.	✓	✓	✓	✓	✓	
Support for chi-square independence test	Perform statistical hypothesis testing for independence between categorical variables, making it easier to identify relationships in data.	✓	✓	✓	✓	✓	✓
Initiate server-based replication from the source database	Streamline data replication processes, ensuring faster and more efficient data synchronization across environments, while reducing the risk of errors.	✓	✓	✓	✓	✓	✓
Redesign of toolbar, navigation, and MC homepage	Enhanced and consistent user experience.	✓	✓	✓	✓	✓	✓

Read more about Rocket Software’s integrated data platform, built on Vertica and powered by [Rocket® DataEdge™](#) and [Rocket® ContentEdge™](#) to deliver AI-driven analytics across hybrid environments.



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