Rocket software

Rocket® UniData®
Feature Release Matrix

Welcome to your comprehensive guide to the evolution of Rocket® UniData®, a Rocket® MultiValue Application Platform. This matrix will provide you with a clear understanding of how Rocket UniData has grown and adapted to meet your needs. Utilizing the latest release of Rocket UniData ensures your applications remain secure, performant, and compatible with evolving technology standards.

Here's why upgrading is essential:

01
Security
GA versions support new OpenSSL versions and support implementation of enterprise-level data security and compliance.

02
Stability and performance:
New versions include architectural stability, compatibility, and performance improvements for easier upgrades, so you can leverage new functionality.

03
New features and functionality
Upgrading gives you access to not only new features but also to new tools including the MV Developer Assistant, the MV Performance Experience, MVIS, MV BASIC for VS Code, and UniObjects for Python for improved productivity and maintainability.

04
Compatibility and futureproofing
Non-GA versions may not support new OS versions or third-party integrations, which can cause compatibility issues and increased maintenance costs.

05
Dedicated support and compliance
Staying on an active maintenance plan means access to expert technical support, compliance updates, and best practices for long-term application sustainability.

If you're not on the latest UniData 8.3.x, look through the matrix on the next page to learn about the features and why now is the time to upgrade. If you're no longer on Maintenance & Support, let's discuss how you can rejoin and unlock these benefits!

Feature	Description	7.3.x	8.1.x	8.2.x	8.3.x
U2 Replication Enhancements Strengthen Your HA/DR Strategy					
Repmanager restart option	A new script allowing you to stop and restart the repmanager process.				●
Field Level Replication BASIC function, FieldWrite, and the enhanced WRITEV function	Allows you to read and write multiple attributes in a single command.			●	●
Replication disablement, disk space allotment fix	The repmanager process guarantees that I/O resumes even if a failure happens during the disablement process. Additionally, logs in the LEF directories are copied to the LRF directories during the process.			●	●
Replication pacing	Publisher adjusts speed to keep pace with subscriber preventing overflow and increasing reliability.			●	●
Delayed standby replication	Keeps the subscriber a defined time period behind the publisher to protect against malicious changes and recover to a safe point in the past.			●	●
Asynchronous cross-group transactions	Performance has been improved with data replication cross-group transactions.			●	●
FILE replication improvements	FILE level replication groups now only look at specific files that have been referenced rather than evaluating every VOC file pointer, reducing overheads.		●	●	●
Replicate your data to one or more subscribers	Replicate your data seamlessly to one or more subscribers, ensuring high availability, scalability, and real-time data consistency across systems.	●	●	●	●
Keeping up with the lastest security enhancements					
Enhanced security features, with OpenSSL v3.0	OpenSSL 3.0 brings major architectural changes with enhanced security, adding new commands and uvconfig parameters for legacy algorithm support.			●	●
Audit Logging	Produces a customizable log file of server activity, valuable for regulation compliance, accountability, reconstruction, intrusion detection, and problem detection.			●	●
Enhanced ADE for Indexes	UniData provides two ways to encrypt an index. You can directly encrypt the index on an unencrypted field. Encrypting the index on an encrypted data field may have limited value, but encrypting the index on a virtual field may make sense. You can also create and build an index on an encrypted field. The index indirectly becomes encrypted.		●	●	●
Automatic Data Encryption (ADE)	A comprehensive solution to satisfy the user's need for securing "data at rest."	●	●	●	●
More modern features					
MultiValue Performance Experience	A system monitoring tool for Rocket UniData that helps you identify and escalate performance-impacting events specific to Rocket UniData. Escalated events also include guidance on possible resolutions along with data snapshots, allowing you to easily track and address the source of an issue.				●
MultiValue Developer Assistant	Boosts developer productivity with AI-support. Helps streamline the generation, autocompletion, and explanation of MV BASIC code for easier maintenance of MultiValue-based applications. That means greater productivity for both new and experienced developers. New developers can reduce project timelines from months to weeks. Experienced developers can automate their code generation and commenting.				●
MV BASIC for Visual Studio Code	A free Visual Studio Code Extension created by Rocket Software. This extension enables BASIC developers to develop MV BASIC applications in one of the most popular development platforms- Microsoft Visual Studio Code. Rocket MV BASIC for VS code provides users with an exceptional editing experience.			●	●
MultiValue Integration Server (MVIS)	A free tool for Rocket® UniData customers on maintenance that helps you access data and business logic in UniData database servers. MVIS takes care of tasks such as connection management, monitoring, security, and administration services, simplifying the job of application developers. MVIS allows you to easily expose both your MV data and business logic as RESTful APIs. Plus, its cloud-ready deployment options help you minimize total cost of ownership for modern MV applications.			●	●
UniObjects for Python	Allows Python applications to access Rocket MV databases over the network, so developers can manipulate objects as quickly and easily as a traditional U2 application.			●	●
64Bit Files and Dynamic Wholefile	Elimination of 2GB file size limit, improved performance and efficiency, enhanced scalability, simplified file management, optimized space utilization, and improved hash type.		●	●	●

● Feature available in this version.
NOTE: .X*indicates all features are in the latest point version please check out the release notes for details on features introduced in each specific release.

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MAR-15503_Broch_UniData_V2

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