



Rocket® UniVerse Feature Release Matrix



Welcome to your comprehensive guide to the evolution of Rocket® UniVerse, a Rocket® MultiValue Application Platform. This matrix will provide you with a clear understanding of how Rocket UniVerse has grown and adapted to meet your needs. Utilizing the latest release of Rocket UniVerse 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 UniVerse 14.1, 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	11.1X*	11.2X*	11.3X*	11.4.1	14.1.1
U2 Replication Enhancements Strengthen Your HA/DR Strategy						
Field Level Replication BASIC function, FieldWrite, and the enhanced WRITEV function	Allows you to read and write multiple attributes in a single command.					●
Repmanager restart option	A new script allowing you to stop and restart the uvrepmanager process.				●	●
Replication disablement, disk space allotment fix	The uvrepmanager 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 stalled logs on pub & sub enhancements	A uv_repadmin option to skip an incomplete transaction that has caused replication to stop processing.				●	●
Replication admin fixes for reconfig command	Modification to the uv_repadmin reconfig command.			●	●	●
Replication subscriber logs from older protocol levels	Replication no longer requires the publisher and subscriber to run the same Replication protocol level, simplifying the upgrade process.			●	●	●
Replication of sequential I/O	For existing installations already running Replication, additional I/O may now be replicated. If the application performs sequential I/O on a file that is replicated either in an ACCOUNT level group or explicitly in a FILE level group, the sequential I/O updates will now be replicated.			●	●	●
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.			●	●	●
Enhanced uvcleanup daemon	Enhanced uvcleanup daemon to log filename and record ID for terminated uvrv processes, improving diagnostics.		●	●	●	●
Enhancement to include Data Link Compression for U2 Replication	Allows data to be compressed during the network transfer phase reducing the volume being transferred and the transfer time.		●	●	●	●
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 latest security enhancements						
OpenSSL FIPS Mode Certification	Leverage compliant, secure cryptography for regulated environments.					●
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.					●
Default root certificate with basic protection	New UPDATE.CER command for installing certificates.			●	●	●
UniVerse now offers its own credential manager in addition to LDAP, or OS- level authentication	Simplify Single Sign On (SSO) access to the database server.			●	●	●
Supports PKCS #12 (Microsoft pfx) file format certificates	Creates an environment that allows the U2 root certificate store to recognize the PKCS #12 file format and import certificates in a PKCS #12 file into that store.		●	●	●	●
More modern features						
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.					●
MultiValue Performance Experience	A system monitoring tool for Rocket UniVerse that helps you identify and escalate performance-impacting events specific to Rocket UniVerse. 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 Integration Server (MVIS)	A free tool for Rocket® UniVerse customers on maintenance that helps you access data and business logic in UniVerse 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.			●	●	●
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 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.			●	●	●

● 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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