



Rocket® U2 UniData

Power and Performance with Less Boundaries

Delivering best-in-class, highly-available, efficient, secure solutions for your data

Delivers low TCO and exceptional scalability to meet the challenges of on demand business in the SMB and large enterprise markets

Provides intuitive design and high-performance queries using an extended relational data model

Enables use of standard protocols including ODBC, OLEDB, ADO.NET, JDBC, XML, RESTful and SOAP

Supports security and robustness via encryption, authentication and high availability features

Features native high-performance interfaces for .NET, Java™ and more

Built-In Power and Cost Efficiency

The UniData database management system, categorized as MultiValue or extended relational, satisfies application requirements by enabling deployment to a single, highly-scalable, low-cost solution with little to no maintenance. Innovative features provide for optimum response times, and numerous management tasks usually associated with database administration have simply been obsoleted by UniData, which contributes to the low total-cost-of-ownership (TCO).

Power for Developers

High-performance data access commands and full SQL, C, Java, Active-X, Socket, .NET, XML, RESTful and

SOAP interfaces offer a wide range of flexible development choices. Comprehensive array, string and matrix-handling commands and numerous flow control structures make complex programming jobs manageable and cost-effective.

Expose your data to a world of SQL-based tools using ODBC, JDBC or OLEDB and take advantage of some of the most powerful tools in the IT industry with these standard data interfaces.

UniData delivers an easier way to exchange data with web services and further extend the value of your UniData application with U2 Dynamic Objects (UDO). Creating a UDO allows you to easily provide or consume data in JSON format.

Explore UniData resources and edit, compile and debug code in UniBasic with the Basic Developers Toolkit (BDT). This integrated, graphical environment or powerful tool not only raises the developer's productivity, but also fosters the use of programming best practices.

Operate Securely

The latest version of UniData provides even more features to better safeguard the security of your data including support for IPv6.

Protect your data with a more secure method of authenticating your clients through the Digest Authentication protocol.

UniData applications create secure communication channels using Open Secure Sockets Layer (OpenSSL). UniBasic, Java and Microsoft® Windows® interfaces support SSL for client and server authentication, encryption and message integrity. UniData's Java-based graphical administration tools simplify SSL configuration and management.

Group Name	Primary	Standby	Total Data	Data	# Tps	Delta	# Groups	Delta	Info Buffer Usage (%)	Body Buffer Usage (%)	Latency
inventory_act_g2	25058	8615	90547	20792	0	0	0	0	1.66	59.65	0
inventory_flg_g2	2380	62	83778	2287	0	0	0	0	0.12	4.32	0
paypal_act_g2	23162	1415	76282	23164	0	0	0	0	1.83	36.28	0
paypal_flg_g2	7037	1024	232242	3327	0	0	0	0	0.55	1.53	0

Configure UniData to replicate your data to an external database

UniData Automated Data Encryption (ADE), which requires minimal changes to existing applications, protects sensitive data on disk. Records or fields can be configured to be encrypted and decrypted automatically because they are written to or read from disk. A graphical user interface is provided to manage encryption keys and wallet support for automating key activation.

Robust Functionality

UniData increases your options for keeping your applications available. In addition to keeping your data safely stored in UniData you can replicate your data to a SQL database. Store your data in UniData and it is simultaneously replicated to Oracle, IBM DB2 or Microsoft SQL Server. Use the replicated database for data-mining or reporting while you use UniData as your production workhorse.

UniData offers recoverability, support for transaction processing, and data replication to enable a high level of robustness for mission-critical solutions. The Recoverable File System (RFS) feature logs transactional and non-transactional updates to disk or tape to protect the structural and logical integrity of files in the event of a media or system failure. RFS speeds recovery by processing only committed transactions.

System Requirements

Review our Rocket U2 Product Availability Matrix (PAM) for the latest product information.

AIX	6.1, 7.1	System p (64-bit)
HP-UX	11.31	Intel Itanium 2 (64-bit)
Linux	Red Hat Enterprise Linux 6, 7 SUSE Linux Enterprise Server 11	x86 (64-bit)
Solaris	10, 11	Sun UltraSPARC (64-bit)
Windows	2008, 2011, 2012, Windows 7, Windows 8.1	x86 (64-bit)

What's New in 8.1?

64-Bit File Support - Experience increased I/O performance and work with larger file sizes than ever before! No more 2GB limit on file sizes!

64-bit Architecture - Take advantage of the most current hardware without the memory limitations posed by 32-bit software! Eliminate the need to maintain a mixed-architecture environment and see a potential performance benefit when the database is fully cached in memory.

Support for IPv6 - Be ready for the Internet of Things! As the world is running out of IPv4 Internet addresses for all web-enabled devices, IPv6 compatibility provides the ability to create more IP addresses for years to come, and utilizes a more secure data pack in the process.

Replication Performance Monitor - Allows system administrators to monitor traffic, system state, and metrics across multiple publishers and subscribers. Identify performance bottlenecks in real time that could be tuned by changes made in the reconfig settings.

Account Based Licensing - Allows application service providers to manage licenses and allocate based on the account being used. This way you can prevent lower priority accounts from consuming licenses intended for higher priority accounts.

Install / Upgrade Improvements - UniData 8.1 has overhauled its installer and update process in this release, with significant customer input into the design changes. See the UniData Installation Guide for full details!

Security Enhancements - Secure your data with the latest in OpenSSL updates, @ID & Index encryption, and other Automatic Data Encryption improvements.

Local Subroutines/Functions with Variable Scoping - Internal subroutines with local scoping allows you to write more modular and maintainable code with potentially fewer errors. This allows you to reduce global variables and manage repetitive code efficiently.

Advanced Technologies

Data Type Enforcement provides an optional check on data written to a file in order to assure only valid data is stored.

Replication with External Database Access (EDA) can be used to replicate your data to a SQL database on the same server.

U2 MetaData Manager (U2 MDM), a user-friendly tool, quickly and easily builds and maintains mappings for your SQL tools accessing UniData.

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