Rocket ® software

Rocket® UniData® and MVX: Performance

High Availability/Disaster Recovery

Reliable, scalable, resilient, and simplified protection for data and applications

Organizations worldwide depend on the Rocket® UniData® MultiValue database to build reliable, scalable, and cost- effective applications. However, today's demand for new applications can strain production servers, affecting performance and increasing the risk of outages. Fires, floods or other disasters can also knock out servers, bringing business to a halt.

An outage can cost you thousands of dollars per minute when it comes to lost revenue. Many organizations that experience an outage never recover completely, or even go out of business within a few years. Proper preparation can mean the difference between a successful return to normal operations or closing the doors. The Rocket UniData High Availability and Disaster Recovery (HA/DR) solution makes it easy and affordable to protect your applications and data on an ongoing basis.

Avoid costly system outages and damage to your reputation

Whether your need to support nonstop application and data availability is driven by revenue, customer service, a global employee population, or other demands of a 24x7 business, we make it affordable and practical to deploy an HA/DR strategy that keeps data protected and recoverable when the unexpected happens.

Highly-efficient replication is at the heart of the UniData HA/DR solution — even for large data volumes and long-distance replication to remote servers. You can pace the speed of delivery from the production server to match subscribing servers' ability to absorb updates. You can also delay data replication after an update, which can help prevent errors created by accidentally committing data to the database. Blocking replication is also useful for keeping malicious updates from propagating. Tuning cross-group transactions helps you achieve significant performance gains when replicating large volumes of transaction data across multiple replication groups.

Avoid costly system outages and damage to your reputation

Add new workloads without impacting production performance

Limit damage from disasters by instantly using data from a constantly- updated replica

MVX: Performance — Visualization and alerts so you can quickly address replication issues

Add workloads without impacting production performance

Businesses constantly demand new capabilities, such as the ability to run business intelligence (BI) tools against UniData application data or use extraction tools to move data to other operational databases for analysis or processing. These requests can create new workloads that affect production application performance.

Rocket UniData HA/DR replication gives you several ways to provide business users with the applications they need, while also improving system availability. You can cost-effectively build a cluster by adding a second server to handle extraction jobs or BI needs. You can also use any subscribing server in a UniData replication system for reporting, offloading that workload from the primary server and delivering it in read-only mode to the subscribing server. In addition, you can use a replica to share UniData data with all your enterprise data systems, including applications developed on other platforms. The production system won't be affected, and you can continue to meet your SLAs while satisfying new user demands.

Limit damage from disasters by instantly using data from a constantly-updated replica

If your primary data center (or a primary UniData server) goes offline, the ability to recover business operations from a replica could save you hours of productivity, minimize lost revenue or customers, and ensure business continuity. Rocket UniData HA/DR offers protection that periodic backups or SAN replication don't, with native, real-time replication. You gain a fast, scalable, and configurable way to deliver file-, record-, and account-level operations performed on the primary server – together with transaction updates – to one or more secondary servers.

With UniData HA/DR, you can create a UniData server at a remote location, then use replication to keep the system in synch with production. In the event of a disaster at your primary data center, you can fail over to the remote site manually or automatically. Data transmission will be minimal, thanks to the replication's compressed format. Any subscribing server in a UniData replication system can be used for reporting, allowing the workload to be offloaded from the primary server.
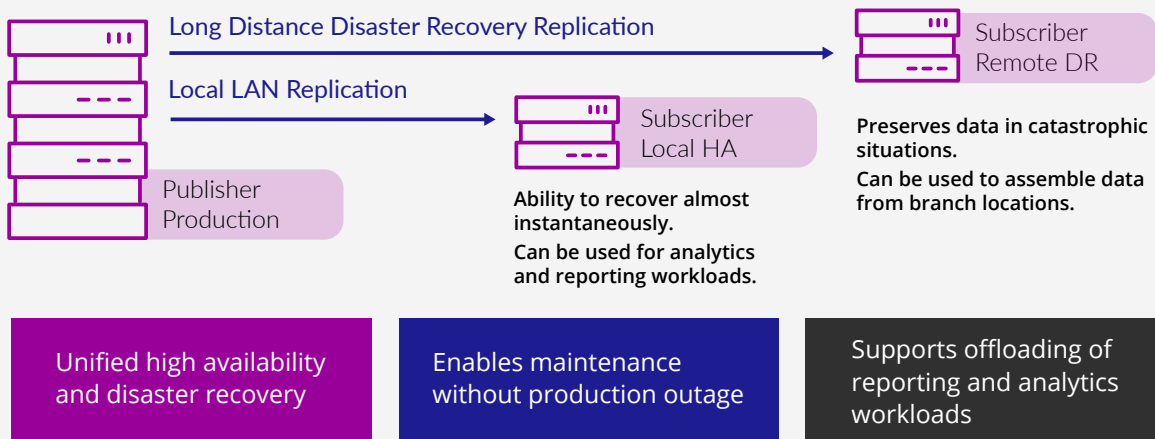

Figure 1: Rocket UniData data replication helps meet both high availability and disaster recovery needs. Use a local replica to assure availability and performance for business tasks such as BI, and a replica at another location for data protection.

MVX: Performance — Visualization and alerts so you can quickly address replication issues

The Rocket MultiValue Performance Experience (MVX: Performance) is 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.

With Rocket UniData HA/DR, business intelligence, data integration, and other workloads can be handled by a replica system instead of your production system. You gain the capabilities your business needs without disrupting the performance your users demand from the production system. With Rocket HA/DR, you can protect your business, give your users the new capabilities they need, and maintain or improve the reliability of your production UniData system.

About Rocket Software

Rocket Software partners with the largest Fortune 1000 organizations to solve their most complex IT challenges across Applications, Data, and Infrastructure.

Rocket Software brings customers from where they are in their modernization journey to where they want to be, by architecting innovative solutions that deliver next-generation experiences. Over 10 million global IT and business professionals trust Rocket Software to deliver solutions that improve responsiveness to change and optimize workloads. Rocket Software enables organizations to modernize in place with a hybrid cloud strategy that protects investment, decreases risk, and reduces time to value.

Rocket Software is a privately held U.S. corporation headquartered in the Boston area, with centers of excellence strategically located throughout North America, Europe, Asia, and Australia. It is a portfolio company of Bain Capital Private Equity. Follow Rocket Software on LinkedIn and X.

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