



How Rocket® UniVerse™ RFS Helps Prevent Downtime and Data Loss

The headlines about disaster recovery are hard to ignore. In March 2025, a catastrophic fire at a key electrical substation near a major international airport led to a massive power outage. More than 270,000 journeys were disrupted, millions in revenue were lost, and the travel industry felt the ripple effects for weeks. While official reports left the exact cause “unknown,” the operational and financial impacts were painfully clear. According to the Uptime Institute’s [7th Annual 2025 outage analysis](#), power remains the leading cause of impactful outages.

For many organizations, outages caused by power failures or other unplanned, non-catastrophic events can lead to data corruption and unpredictable downtime. Sometimes for days — and sometimes for weeks. The result is often lost revenue, shaken customer confidence, and brand damage that outlives the incident.

A tale of two outcomes after a catastrophic power outage

Without RFS

Power is suddenly lost. Traditional databases may leave files half-written or in inconsistent states. When power returns, teams spend days reconciling incomplete transactions, repairing corrupted records, and restoring from outdated backups. Operations stall, customers wait, and costs rise by the hour.

With RFS

With the Recoverable File System (RFS) in Rocket UniVerse 14.2.1, the picture looks different. RFS uses before- and after-image logging, archiving, and transactional integrity to help protect data. When the lights go out, RFS logs changes up to the point of interruption. When power is restored, RFS automatically rolls back incomplete writes and restores files to a consistent state. This is how systems can come back online in minutes instead of days. Updates remain intact, passengers are processed, flights resume, and both revenue and reputation are better protected.

Why RFS is a game-changer for resilience

RFS is an advanced feature in Rocket UniVerse 14.2.1, built for today's always-on, high-stakes environments. It helps organizations reduce risk, accelerate recovery, and maintain continuity when it matters most:



Before- and after-image logging

Help keep data consistent, even when the unexpected happens.



Automatic recovery

Returns files to their last good state to help minimize downtime and data loss (supports near-zero RPO and fast RTO targets).



Partial-write protection

Helps prevent corruption caused by incomplete operations during unexpected failures.



Granular configuration

Protects what matters most, from key files to entire accounts.



ACID properties support

Preserves atomicity, consistency, isolation, and durability.

What our experts are seeing

// Data corruption after a power outage typically occurs when a system is interrupted mid-write, leaving files half-written or structurally damaged. This is exactly the issue our customers can avoid by using RFS"

CLAUDE MASSERON

Senior Sales Engineer focused on MultiValue at Rocket Software

Don't let the next disaster decide your future

Ready to fortify resilience?

Upgrade to Rocket UniVerse 14.2.1 and enable RFS to safeguard your data, your customers, and your future.

[Talk to an expert](#)



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