

Neverfail Data Rollback Module Rapidly Restores an Application to an Earlier Point

From virus attacks and application malfunctions to simple, but devastating user errors, enterprises are faced with data corruption that can paralyze an organization's ability to operate. Neverfail's Data Rollback Module ensures that regardless of what type of IT disruption might cause your data to become corrupt or inconsistent, you can quickly and simply roll back the application data to a point in time when it was still in a consistent, accurate, and most importantly an operable state.

The heart and soul of Neverfail – Neverfail Heartbeat

The Data Rollback Module integrates with Neverfail Heartbeat, which is the core technology that powers all of Neverfail's application availability and disaster recovery solutions for the Microsoft technology platform. Neverfail Heartbeat's "cluster-class" solution replicates data from an active server to a passive server in either a LAN or WAN environment to protect Microsoft applications against a wide range of potential failures.

In severe cases, should the active server fail, the passive server can assume the full identity of the active server and take over all processing. Neverfail Heartbeat's switchover feature is an automatic, seamless process to ensure continuous application availability and is completely invisible to the end user.

Backup and replication offerings focus only on recovering hardware and data failures from a primary server. Most clustering solutions only address certain types of failures. Neverfail Heartbeat is the first "cluster-class" high availability solution to focus on the entire application environment, including data, the operating system, the server, the network and each and every application to ensure no single point of failure.

Neverfail Data Rollback Module – built on proven technology

Whereas Neverfail Heartbeat provides simple and rapid application restart on a secondary server, in order to ensure high-availability, the Data Rollback Module complements Neverfail's core technology by providing a similarly simple and swift application restart from earlier points in time, to ensure data restoration with minimal to no data loss.

Neverfail Benefits

- Provides "one button" rollback and application restart in the event of a corruption
- Integrates with Neverfail's High Availability and Disaster Recovery solutions to provide complete application availability no matter the cause of corruption
- Leverages Microsoft's Volume Shadow Copy Service (VSS) technology to ensure the highest level of compatibility across your Microsoft environment
- Eliminates all overhead associated with taking "snapshots" against your production server
- Reduces required storage significantly by only capturing the differences between your data and allowing consolidation of older data

Neverfail Data Rollback Module runs directly on top of Neverfail Heartbeat, and utilizes Microsoft's Volume Shadow Copy Service (VSS) technology to provide an efficient application/data restoration and retrieval mechanism. By taking shadow copies of a secondary, passive server, Neverfail avoids the typical "freezing" of an application that VSS would normally incur on a production system, and thus permits more frequent shadowing than in a single server topology. More frequent shadowing means greater granularity – up to 512 snapshots can be stored at any one time, in an ultra-efficient format that only needs to keep track of differences between snapshots. When a rollback is required, Neverfail's unique knowledge of the application environment, including which application files and registry settings require rollback protection, permits efficient restoration of only the required application data from shadow copies, rather than an entire volume.

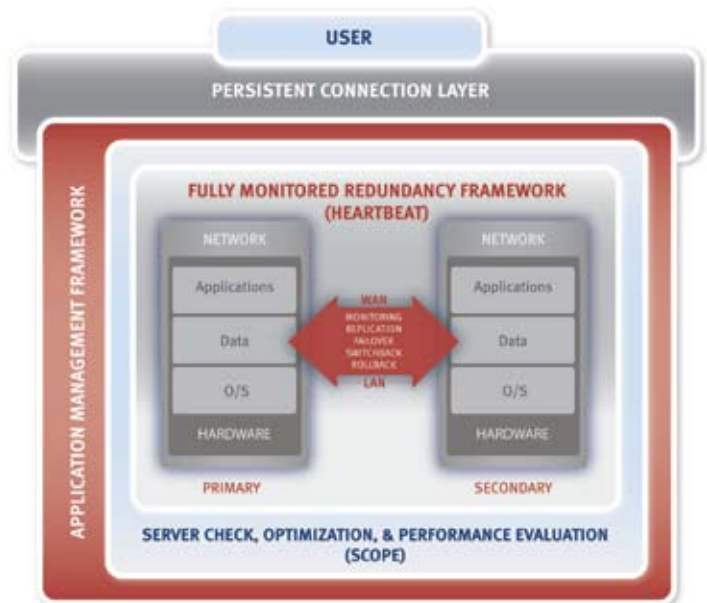
Minimal to no data loss with Neverfail's Data Rollback Module

Neverfail's Data Rollback Module is incorporated directly into our standard management console, providing a single interface for all of your high availability needs. Administrators can use the interface to customize their own snapshot schedules, allowing them to decide for how long each snapshot should be saved – for instance, you may decide to save all snapshots for the last week's worth of data, but only keep daily snapshots for older data. Then if data corruption does occur, administrators can rollback to any of these snapshot points with the simple click of a button.

High availability over a LAN or WAN environment

Neverfail solutions can be configured to protect your email in either a LAN or WAN environment. Where bandwidth or network utilization is an issue or needs to be reduced, the Neverfail Low Bandwidth Module (LBM) is available to optimize and reduce the amount of data that is transmitted between the two servers.

NEVERFAIL SCHEMATIC OVERVIEW



Neverfail Data Rollback Module Summary

Neverfail's Data Rollback Module provides organizations the ability to regain data integrity quickly and efficiently after data corruption has occurred. Utilizing standard and proven technology, the Data Rollback Module complements Neverfail's suite of data protection products and enables network administrators to restore data to a point in time when the data was still consistent, accurate and usable. Only Neverfail can give you a comprehensive solution that protects your data and keeps users connected to working applications, regardless what type of failure or IT disruption your organization might experience.



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