

# The Neverfail high availability solution provides immediate and non-disruptive failover for Lotus Domino.

Communication is a cornerstone of your business' productivity and profitability. Therefore your primary communication system – email – should always be available. Backup and replication solutions can't provide the rapid return of your normal email operations in the event of a failure. With the Neverfail high availability solution for Lotus Domino you can ensure continuous email availability and seamless communication – keeping users continuously connected to customers, partners, suppliers and each other.

## The heart and soul of Neverfail – Neverfail Heartbeat

The most important consideration in protecting your Lotus Domino environment is creating a real-time, duplicate copy of your email. Neverfail Heartbeat sits at the core of Neverfail's suite of affordable, "cluster-class" solutions, replicating data from your active to your passive server, whether they reside in the same server room, or across the globe.

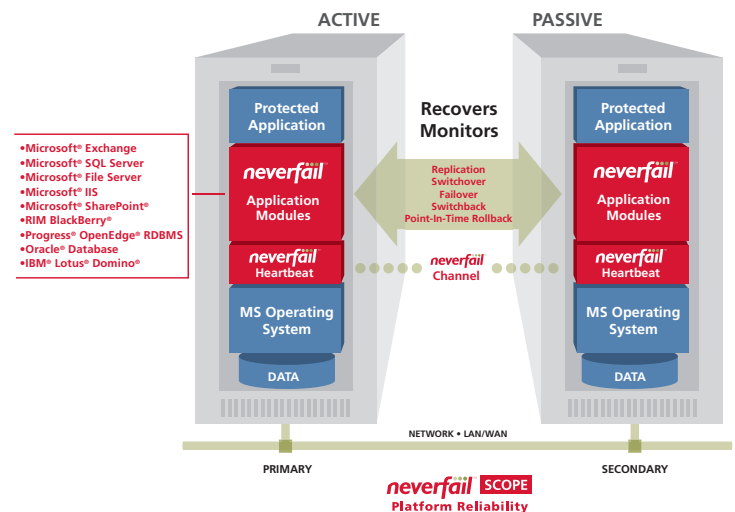
## The Neverfail high availability solution proactively monitors your entire Lotus Domino server environment

The Neverfail solution for Lotus Domino proactively monitors the health of your physical server hardware, network infrastructure, operating system, and Lotus Domino application. If any problem occurs, Neverfail can take a variety of preemptive, corrective actions to resolve the issue without resorting to a full system failover. In extreme cases where the issue can not be resolved, a graceful switchover to your secondary server can occur automatically, ensuring continuous application availability.

In addition to protecting your Lotus Domino application, Neverfail can also protect auxiliary applications that you may have installed onto your server. These may include supporting applications such as anti-virus, backup, fax and archiving solutions. Our Application Module eXtension (AMX) technology provides an application program interface to easily and rapidly generate these extension products. The Neverfail AMX library is extensive; AMX's are fully maintained and supported and remove the commercial concern and cost of "one-off" development practices on a critical server.

## High availability over a LAN or WAN environment

The Neverfail solution 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



Neverfail's unique true pair technology delivers continuous data protection, application availability and disaster recovery for companies of all sizes.

Bandwidth Module (LBM) is available to optimize and reduce the amount of data that is transmitted between the two servers.

## Neverfail provides seamless switchback capabilities

In addition to offering both manual and automatic switchover capabilities, Neverfail for Lotus Domino also features the ability to seamlessly switchback, something replication solutions can't offer. Whether your primary server is down for several hours or even days, Neverfail will seamlessly resynchronize your servers when the primary does come back online, and allow you to switch your workload back to a normal production state within a few minutes by the simple click of a button!



## Reliability is the first and most crucial step to achieving high availability

The successful implementation and ongoing performance of any cluster-class high availability solution is predicated upon a reliable technology platform. The Neverfail Server Check Optimization Performance Evaluation (SCOPE) is the only automated software solution to deliver a comprehensive health "check-up" of your server environment. SCOPE identifies existing configuration and performance issues in your environment prior to installation of a high availability solution and it provides "snapshots" of your environment to ensure on-going reliability.

### KEY FEATURES

**Dynamically identifies and includes specific application components** — Intelligently discovers all application files, registry settings, services and databases associated with a specific application.  
— Saves time, money and lowers risk by eliminating any customization or scripting required to support specific applications. Neverfail supports Lotus Domino straight "out of the box."

**Automatically monitors all key application services** — Automatically monitors the availability of all key services associated with a specific application.  
— Improves availability by showing not only whether a server is available or not, but what is happening within the application.

**Monitors all key application performance attributes** — Monitors all key performance aspects of the operating system, hardware and application.  
— Improves availability by identifying when overall performance begins to degrade.

**Preemptive failover avoidance** — Can take a variety of corrective actions to repair or resolve problems detected through its monitoring capability.  
— Avoids expense of IT personnel involvement in managing unnecessary failovers.

**Seamless switchover, failover and switchback of application workload** — Automatically moves an application's workload back and forth between primary and secondary servers.  
— Improves availability by providing seamless, non-disruptive application redundancy to users.

## Neverfail Data Rollback Module

Data Rollback Module complements the Neverfail core technology by providing a simple and swift application restart from earlier points in time, to ensure data restoration and regain data integrity quickly and efficiently after data corruption has occurred. Neverfail Data Rollback Module runs directly on top of Neverfail Heartbeat, and utilizes the Microsoft® Volume Shadow Copy Service (VSS) technology to provide an efficient application/data restoration and retrieval mechanism.

### SYSTEM REQUIREMENTS:

#### Primary server requirements

- Microsoft Windows 2000 or 2003 compatible server with 2GB of free system hard disk space. On a single partition.
- A minimum of 1GB RAM is recommended. Exact requirements depend on application load.
- Microsoft Windows 2000 Server or Advanced Server latest SP version, or Microsoft Windows 2003.
- IBM Lotus Domino Messaging Server 6.0, 6.5, 7.0

#### Secondary server requirements

- Windows 2000 or 2003 compatible server with disk space and memory to match the Primary Server. Microsoft Windows 2000 or 2003 operating system with the same Service Pack applied as the Primary Server.

#### Network requirements

- 2 Network cards per machine (1 Public & 1 Channel) or 3 Network cards per machine (1 Public & 2 Channel).

#### Licensing

- The Neverfail high availability solution for Lotus Domino is licensed based on the Server in a pair with the greatest number of CPUs.

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