



PREDICT · PROTECT · PERFORM

# Product Overview

## Neverfail for IIS Keeping your Information Flowing 24x7

One of the most important considerations in protecting your Microsoft® IIS environment is creating a real-time, duplicate copy of your IIS data. With new web sites being created, content being amended, changed, deleted, and more, IIS environments never stand still — they're subject to constant change. Neverfail for IIS proactively monitors your IIS, looking for changes to web sites and virtual directories, FTP directories, NNTP and SMTP data, and even IIS configuration data and Metabase information.

In addition to monitoring the IIS application, Neverfail for IIS® is the only cluster-class, high availability solution to proactively monitor the health of your entire IIS environment, including physical server hardware, network infrastructure and operating system. If any problem occurs, Neverfail can take a variety of preemptive, corrective actions without resorting to a full system failover. In extreme cases, a graceful switchover to your secondary server can occur automatically, ensuring continuous IIS availability.

### Avoiding a Single Point of Failure

Web documents are often stored in shares on file servers, which are in constant flux as files are created, edited and deleted. In addition, new shares may be created, existing shares may be renamed, and security settings or attributes can be modified.

Typical web file server backup strategies that mix frequent incremental backups with occasional full backups may work in theory, but they cannot prevent losing changes to data after the last backup was finished. In addition, these types of backups do not address the redundancy required for high-availability. Backup archives may be available, but restoring data from multiple tapes is a time-consuming process with an open invitation for error.

Neverfail for IIS automatically configures protection for all of your file shares as they are created, edited, or deleted and continually reconfigures itself to ensure that any and all changes are included in its replication set. The file server's data is always up-to-date and fully protected — no manual intervention required thus eliminating a single point of failure.

### Keeping Business Connected

Too often the distributed nature of IT systems results in business disruption at many levels. For example the reconfiguration after failure

## Neverfail Benefits

- Keep data flowing without interruption
- Avoid planned and unplanned downtime
- Protect against hardware and configuration failures
- Deliver Disaster Recovery and Business Continuity
- Fail over in less than two minutes
- Fail back without service interruption
- Self configuration with no scripting
- Automated monitoring for improved reliability
- Requires no SAN or Cluster technology
- Supports LAN and WAN deployments
- Rapid implementation
- Monitor all components, hardware agnostic
- Part of Neverfail's end-to-end constant availability suite

may result in disconnects between users, applications and the server unless systems are rebooted or users re-connect. In many cases the disconnect isn't found until users complain.

Only Neverfail for IIS delivers a solution designed from the ground up to keep users working through any type of IT outage. Neverfail's state-of-the art replication technology ensures there is always a complete, consistent and up-to-date copy of the IIS Server available on a secondary server. If anything goes wrong, applications and users are seamlessly connected -- without interruption -- to the secondary server, while our persistent connection layer means applications and users continue working without any delay.

Business continues.

### Built-in Reliability

Because every application can be a potential single point of failure, it is important to take steps to prevent them from failing in the first place. Neverfail provides predictive technology

that can be used to carry out periodic health checks or continuously monitor the state of the server. Neverfail SCOPE (Server Check, Optimization, and Performance Evaluation) is designed to evaluate the stability and reliability of the hardware, software, network and configuration that underpins the applications. SCOPE allows you to be confident that you have the best practice in place to avoid outages wherever possible.

When Neverfail detects an IT condition that is likely to result in an outage, the software can take a variety of preemptive measures to fix the source of the problem (such as attempting to restart a service).

### No Recovery Required

Delivering continuous availability means there is no time to rely on traditional backup/recovery techniques, or even continuous data protection. Traditional protection strategies will require a recovery; databases will need to be rebuilt, configurations checked, users notified of the outage. Today's companies cannot afford to have downtime of their business critical applications.

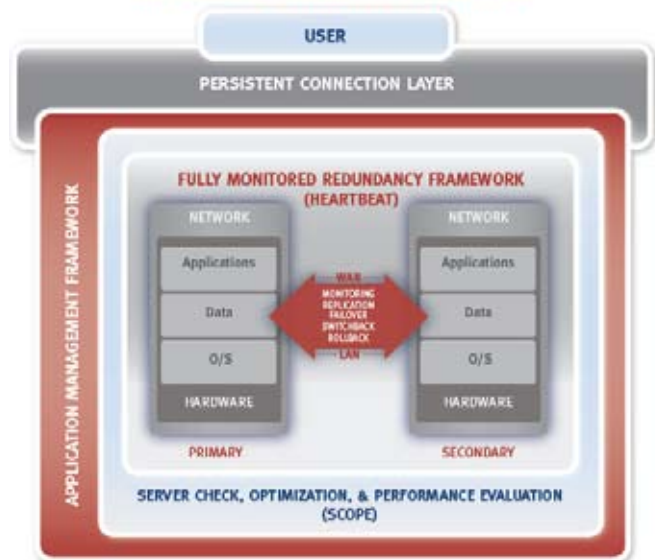
Neverfail maintains a complete, consistent and up-to-date copy of the IIS Server and its configuration. This is more than just a copy of the data. Neverfail provides a complete, ready-to-go clone of the server, including any configuration changes that may have been applied since the application server was first installed.

If there is an availability threat, an administrator can fail over from the primary to the secondary server at the click of a button, or Neverfail can automate the whole process based on user-defined criteria. Administrators with limited knowledge of the application installation can easily fail over using best practice knowledge already embedded into Neverfail's product architecture.

### Hurricane, Flood, Fire - Business Continues

Keeping your business running through natural and man-made disasters can literally be a matter of life or death. The ability to use all applications can be even more important in this situation. That's why the Neverfail architecture is designed to allow remote deployment of the secondary server. Neverfail's secondary server can be located in the same room, the same building or in a different part of the world. To further simplify the process, Neverfail makes sure the WAN doesn't get in the way by using compression to optimize replication, even when bandwidth is an issue and data volumes need to be reduced.

## NEVERFAIL SCHEMATIC OVERVIEW



### Protection Out-Of-The-Box

Embedded within Neverfail for IIS is all the knowledge to make continuous availability a reality. Data locations, registry entries and databases are all cloned automatically. Failure detection is embedded. Complex fail over processes are a thing of the past.

### Protecting the File Servers

Neverfail for IIS is the product you need to protect your web files and corporate data. It monitors and protects all file stores and makes sure that all changes to the data and files are always replicated and up-to-date. Without continuous availability of web data and applications as well as corporate data and file stores, the ability to interact with your customers and react to changing business climates is lost. If the IIS server fails the impact is the same. Productivity dies, decisions are not made, business stops.

This is why the same Neverfail architecture provides continuous availability for Microsoft Exchange®, Lotus Domino®, BlackBerry® Enterprise Server, SharePoint®, SQL Server®, IIS® and File Server®.

With Neverfail, businesses can rely on all of their application implementations.

**neverfail**<sup>TM</sup>

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