



# Neverfail IT Continuity Engine

## engine

['en-jin | noun: a thing that is the agent or instrument of a particular process  
e.g. IT Continuity Engine underpins IT business continuity

### Challenges:

- The business demands 24x7 operations
- Modern, multi-tier applications are complex to recover
- Physical servers, virtual machines, and multiple hypervisors all need protection
- Unprecedented data growth equates to longer backup and recovery times

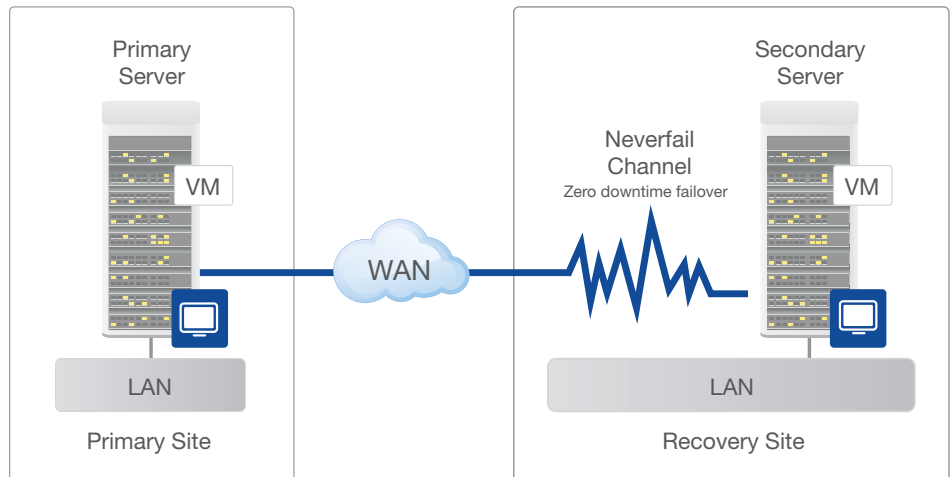
### Key Benefits:

- Keeps critical applications and business services always running and operational
- Protects complex, multi-tier applications at lower cost but higher service levels compared to other backup and replication solutions
- Provides comprehensive availability protection across physical, virtual and cloud-based workloads within a single, easy to use solution
- Significantly reduces bandwidth requirements for disaster recovery
- Protects and leverages existing IT investments by complimenting and extending native high availability and disaster recovery capabilities from VMware and Microsoft
- Simplifies IT Continuity with a single automated push-button solution for continuous availability and disaster recovery

No Application Downtime. Period.

Companies rely on a complex and ever-changing IT environment to underpin nearly all aspects of business operations. With an increasing proportion of business operations exposed via the web, downtime and data loss are no longer acceptable. Only Neverfail IT Continuity Engine delivers the kind of continuous availability that businesses, their users, and their customers demand for their most important business services.

Providing unparalleled protection against any type of downtime, Neverfail IT Continuity Engine ensures that critical applications remain available regardless of the source of threat. With support for both physical servers and virtual machines, predictive application health monitoring, multi-tiered application and server failover, data rollback, and built-in WAN optimization, Neverfail IT Continuity Architect is the solution for Tier-1 business service availability.



### Unparalleled Protection for Critical Applications

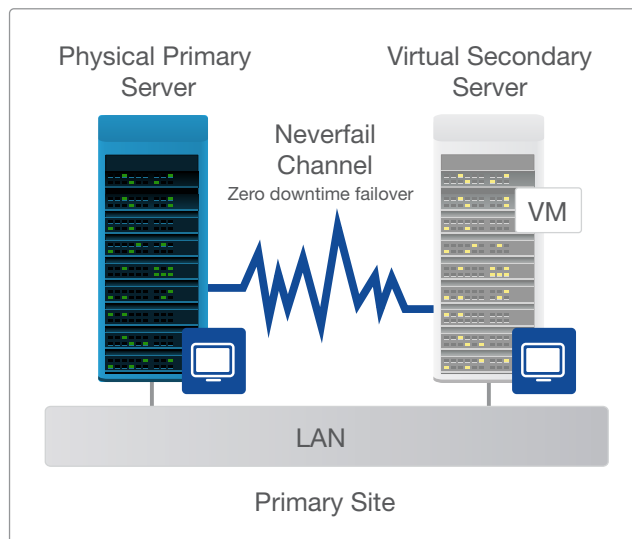
Neverfail IT Continuity Engine provides protection for business critical applications against all possible types of threats and failures.

### Continuous Application Availability

- *Near-Zero Application Downtime and Data loss.* Engine combines best of breed replication technology with highly automated recovery mechanisms to ensure that protected applications can be instantly restarted.
- *Proactive Application Health Monitoring.* Engine monitors system and application health in real-time, looking for patterns of degradation and failure.
- *Multi-Tier Application Groups Protection.* Engine can coordinate expedited failover of any arbitrary collection of application components spread across multiple servers.

### Total Protection Against Any Threat

- *Unified Continuous Availability and Disaster Recovery.* Engine provides comprehensive protection coverage against application, server, network, storage, or complete site failures in a single solution.
- *Physical, Virtual, & Cloud Protection.* Engine is capable of delivering continuous availability and disaster recovery across any type of workload on any infrastructure.
- *Tertiary Node Redundancy.* Engine provides flexible topology options for extended redundancy. Engine-protected application clusters can be spread across up to 3 redundant nodes.
- *Microsoft Cluster Protection.* Engine significantly expands protection capabilities of Windows Server Failover Clustering (WSFC) and Microsoft Cluster Server (MSCS) based application clusters.



### Simple, Cost-Effective, and Optimized

Your solution should work hard, not your IT admins. That's why we built IT Continuity Engine to be a fully automated solution that is extremely simple to deploy and manage.

#### Simple

- *Rapid, Highly Automated Deployment.* Engine deployments are centralized and highly automated with support for remote installation, automated cloning, and multiple concurrent installs.

### Cost-Effective

- *Built-in Replication.* By working across heterogeneous hardware, not requiring shared storage, or depending on other storage replication software, Engine significantly reduces the overall cost of replication.
- *Built-in WAN Acceleration.* Engine's built-in data compression and data de-duplication capabilities significantly reduce disaster recovery operational costs by reducing WAN replication by up to 80%.
- *Integrated Data Protection.* Engine protects against data corruption and data loss via integration with Windows Volume Shadow Copy Service (VSS) to provide roll-back capabilities.

### Optimized for Virtualization

- *VMware vSphere Client Plug-in.* Engine clusters can be managed using the Neverfail Engine plug-in for the VMware vSphere client. This plug-in also facilitates point-and-click deployment of new Engine clusters.
- *VMware vSphere HA, vMotion and Storage vMotion Integration.* Engine extends application intelligence and proactive application health monitoring to workloads running on VMware vSphere infrastructure.
- *VMware SRM integration.* Engine adds disaster recovery capabilities for physical machines within VMware Site Recovery Manager (SRM) during execution of VMware SRM recovery plans.

### Summary

Neverfail IT Continuity Engine is the latest generation of Neverfail's continuous application availability technology. With application-aware monitoring and recovery, stand-by server failover, integration with the VMware vSphere availability stack, and built-in WAN optimization, IT Continuity Engine completes your high availability and disaster recovery needs like no other solution. Regardless of the threat to downtime, IT Continuity Engine ensures continuous availability and access to critical data and applications without fail. Try it for free today.

### About Neverfail

Neverfail is a leading global IT continuity management company. Neverfail's product offerings help thousands of customers around the world rest easier at night by providing continuous insight in to which IT infrastructure supports each business service, protecting critical applications against downtime and assuring that disaster recovery plans will always work. For more information, visit: [www.neverfailgroup.com](http://www.neverfailgroup.com)