EVERRUN®
ENTERPRISE SOFTWARE

DOWNTIME PREVENTION software for always-on Windows® and Linux® applications

Stratus everRun Enterprise is downtime prevention software that keeps your applications up and running, ensuring business continuity and data integrity — easily and affordably.

Unlike other solutions, everRun Enterprise *prevents* downtime, rather than merely recovering from it. And that difference has a big impact on your revenue, cost, customer satisfaction goals and efficiency rates.

everRun Enterprise is easy to use. With click and go installation and centralized management tools for complete command and control of your IT world, it couldn't be simpler. And it's comprehensive monitoring and notification features is just one reason we call it "worry-free computing".

With everRun Enterprise, you can use industry standard x86 servers so you can utilize existing competencies within your organization, without requiring specialized IT skill sets. This availability solution can run both your single and multi-threaded Windows and Linux applications fault-tolerantly, with no changes to your applications.

everRun Enterprise is the solution you can rely on to meet your ever increasing demands in this always-on world. Stratus is the proven leader in preventative application availability and has been for over 30 years.
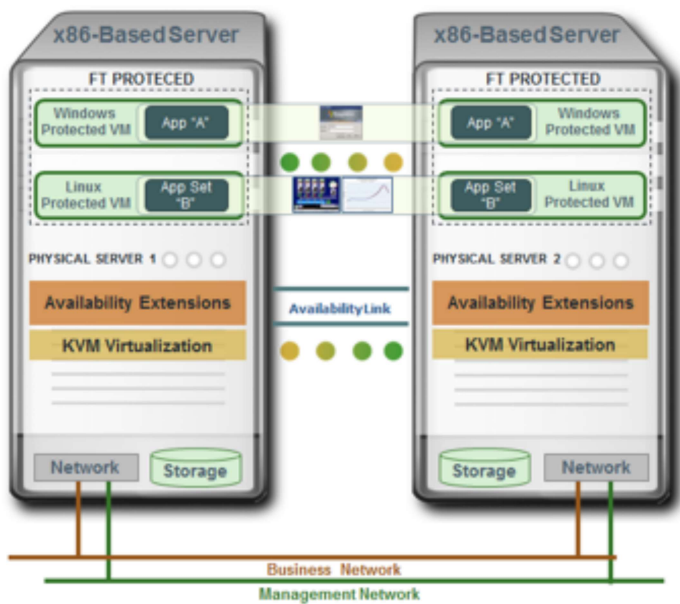
Key Benefits

- Prevents application downtime locally and cross-campus
- Enables business continuity and compliance
- Ensures no business interruptions or in-flight data loss
- Provides integrated disaster recovery*
- Works with off-the-shelf industry standard servers
- Installs easily and affordably without the need for specialized IT staff
- Functions application and hardware independent
- Requires no modifications to applications
- Operates in physical, virtual and cloud environments
- Protects entire servers or select data
- Adapts to changing business requirements with scalable system
- Provides fault-tolerant or high availability* protection for symmetric multiprocessor (SMP) and multi-core workloads

Stratus®
Technologies™

For an **Always-On** World

www.stratus.com

How Does everRun Work?

One application lives on two virtual machines. If one machine fails, the application continues to run on the other machine with no interruptions or data loss. If a component fails, it's replaced with the healthy component from the second system.

The I/O is automatically mirrored to the redundant server. Memory check-pointing ensures all in-flight transactions as well as data in memory and cache is preserved — without machine restarts.

Stratus everRun Architecture Diagram

Key Features

Achieve always-on availability with the Availability Engine
The Availability Engine lies at the heart of everRun Enterprise. It ensures you won't have business interruptions because your applications co-exist on two virtual machines, with no changes to your applications, data loss or machine restarts.

Know when to take action with the Watchdog Service
Stratus' support center constantly monitors your system and automatically sends you a system level notification should a fault occur.

Save time with The Stratus One View Console
Monitor and manage everRun instances across multiple deployments from a centralized location. Build, designate and deploy servers and Virtual Machines.

Simplify, accelerate and optimize performance management with Application Monitoring
Get complete performance visibility across dynamic IT environments. Know immediately when an application or device is down and have it restart instantly to minimize downtime.

**Protect against localized disaster with SplitSite®
Cross-Campus* downtime prevention**
SplitSite provides application fault tolerance across geographically separated sites using synchronous replication. For more information go to: **www.stratus.com/splitsite**.

Mitigate disaster impact with Disaster Recovery*
Get up and running faster than ever before with built-in asynchronous replication between sites over a wide area network connection. For more information go to: **www.stratus.com/everRundisasterrecovery**.

* To be introduced in next point release."

Professional Services

Stratus' Professional Services team is here to help you in many ways. Our portfolio encompasses a range of technology-enabled services that include comprehensive development and support for end-to-end, multi-vendor environments. These capabilities allow you to supplement your IT resources with customized solutions that address your unique business requirements.

Call on us for focused, modular services delivered by experts devoted to planning and implementing systems that protect the availability of your business operations. Our trusted availability advisors work with your staff to perform technology assessments, make recommendations and implement solutions. Most importantly, we help you define and manage an availability strategy and business continuity plan that exceeds business line requirements and industry compliance standard.

Availability Solution Differences

Compare the Stratus everRun Enterprise Difference

Downtime & Impacts	Standalone Server	Availability Solutions	everRun Enterprise
Unplanned downtime*	• 43+ hours per year	• 4+ hours per year	• **4 minutes per year**
Unplanned downtime cost*	• $7M	• $700k	• **$10K**
Maintenance downtime	• Extensive	• Requires restart	• **None**
Failure recovery time	• Hours	• Hours	• **None**
Data loss	• Yes	• Yes	• **None**
Recovery effort	• Manual	• Requires failover, scripting, testing	• **Fully automatic, no restart required**
Fault detection	• No	• No	• **Yes automatic**

Deployment			
Set up time	• Hours	• Days	• **Hours**
Administration	• NA	• Complex, manual	• **NA**
Expertise	• Minimal	• Significant	• **Minimal**

Cost			
Initial purchase price	• Low cost	• High cost	• **Low cost**
Maintenance costs	• Low	• Very high	• **Low**
SAN/External storage	• Not required	• Required	• **Not required**
Integrated management	• No	• No	• **Yes**

*   *Approximate yearly average. Assumption: one hour of downtime costs the average company $163,671.14*
    Source: Aberdeen Group Analyst insight, June 2013

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Failure Protection		
Guest Continuous Availability	Fault-Tolerant Mode – No Restart	High-Availability Mode^
Disk	●	●
Network	●	●
CPU	●	* ◗
Memory	●	* ◗
Power	●	* ◗

* Guest restart necessity is dependent on the location of the fault.
^ To be introduced in next point release.

everRun Enterprise Specifications	
License Type	
Servers	1-2 socket Intel® Ivy Bridge and Sandy Bridge Intel based x86 server
RAM	Up to 384 GB
Virtual machines	Up to 24
Supported Operating Systems: Available On All Licenses	
Microsoft®	Windows Server® 2008, 2008R, 2012 Windows® 7 Windows Small Business Server 2011
Linux®	Red Hat® Enterprise Linux 6.5 < CentOS Linux 6.5 <
everRun Enterprise Support Service	
Service Component	**Coverage**
Access to software advice	24/7
Initial response time to critical issues	60 minutes
Access to availability engineers to address critical issues	24/7
Web-based support portal access	24/7
Software update subscription	Included
Watchdog service (remote monitoring and alerting)	24/7
Secure remote access	Included

Recommended Configuration for everRun

- One pair of x86 industry standard servers
- 8 GB RAM or more
- Intel® VT Enabled CPU Chipset
- Local or SAN storage (fibre channel or iSCSI)
- Four 1 GB network ports
- Supported guest operating system
    - o Microsoft® Windows Server® 2008 and 2008 R2
    - o Small Bus server 2011 64 bit
    - o Microsoft® Windows Server® 2012 and 2012 R2

Please refer to the everRun Hardware Guide for a list of qualified systems and components. **http://go.stratus.com/everrunHG**

Find Out More
For more information, or to purchase Stratus products, call 1-800-STRATUS, or visit **www.stratus.com**.