

EVERRUN[®] SOFTWARE

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

Stratus everRun is downtime prevention software that ensures business continuity and data integrity by keeping Windows[®] and Linux[®] applications up and running with mainframe like availability.

Unlike other solutions, everRun *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 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 its comprehensive monitoring and notification features is just one reason we call it "worry-free computing".

With everRun, 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.

In the data center or at the edge of the network, in any industry, in any size organization, everRun 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
- Requires no modifications to applications
- Operates in virtual and cloud environments
- Protects VMs, applications and data
- Adapts to changing business needs with a scalable system
- Provides fault-tolerant or high availability protection for symmetric multiprocessor (SMP) and multi-core workloads

"The everRun solution for P2000, offers us the extremely high level of availability we need for our critical access control system at the airport."

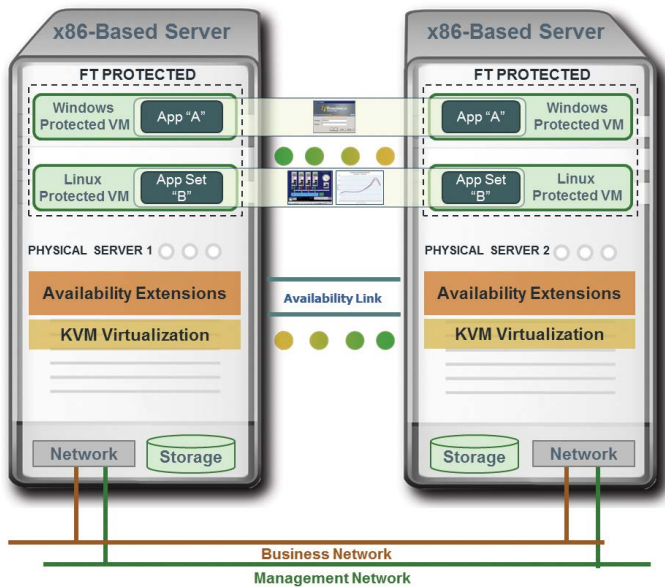
Rob Benstein

Public Safety and Operations Director
Gerald R. Ford International Airport

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 Enterprise Architecture Diagram

Key Features

Achieve always-on availability with the Availability Engine

The Availability Engine lies at the heart of everRun. Complete with selectable availability, you can designate fault-tolerant availability or high availability for each VM. everRun 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. For more information go to:

www.stratus.com/ApplicationMonitoring.

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.

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.

Choose from two versions:

everRun Enterprise	everRun Express
A complete fault-tolerant and high availability solution for Microsoft® and Linux applications.	All the features of everRun Enterprise with high availability for Microsoft and Linux applications.

Features in each version:

Feature	everRun Enterprise	everRun Express
Fault-Tolerant Availability Engine	•	—
High Availability Engine	•	•
Watchdog Service	•	•
Stratus One View Console	•	•
Application Monitoring	•	•
SplitSite	•	•
Integrated Disaster Recovery	•	•

Want to know more about the differences between everRun Enterprise and everRun Express? Visit our comparison web page: www.stratus.com/comparison.

Availability Solution Differences

Compare the Stratus everRun Difference

	Standalone Server	Availability Solutions	everRun
Downtime & Impacts			
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	• Minimal	• Fully automatic, no restart required
Fault detection	• No	• Yes, automatic	• Yes, automatic
Deployment			
Set up time	• Hours	• Hours to days	• Hours
Administration	• NA	• Complex, manual	• NA
Expertise	• Minimal	• Significant	• Minimal

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



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.

everRun 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, 2008R2, 2012 Windows® 7, 8 Windows Small Business Server 2011
Linux®	Red Hat® Enterprise Linux 6.5 < CentOS Linux 6.5 < SLES 11 SP3 64-bit Ubuntu 64-bit 12.04 and 13.1
everRun Support Service	
Service Component	Coverage
Access to software advice	24/7/365
Initial response time to critical issues	60 minutes
Access to availability engineers to address critical issues	24/7/365
Web-based support portal access	24/7/365
Software update subscription	Included
Watchdog service (remote monitoring and alerting)	24/7/365
Secure remote access	Included

Recommended Configurations for everRun

- One pair of x86_64 industry standard servers
- 8 GB RAM or more
- Intel® VT Enabled CPU Chipset
- Disk space of 50 GB or greater plus 10 GB for VM and data storage
- Two 10 Gb network ports, two 1 Gb network ports
- Supported guest operating system
 - o Microsoft® Windows Server® 2012 and 2012 R2
 - o Red Hat® Enterprise Linux 6.5

Please refer to the *everRun User's Guide* at <http://go.stratus.com/everrunUG> for a list of supported operating systems and the everRun Compatibility List at <http://go.stratus.com/everrunHCL> for a list of qualified systems and components.

Find Out More

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



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