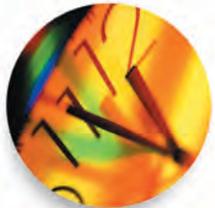


Stratus Avance™ High-Availability and Virtualization Software for x86 Servers

Stratus Avance software reinvents high availability (HA) and virtualization, removing the barriers that once stood in the way of wide-scale business implementation. The high cost and complexity traditionally associated with these advanced technologies are gone. In their place, the Avance solution delivers automatic uptime that exceeds 99.99% with integrated virtualization that is simple to deploy and manage.



Total Availability

Small to medium businesses will immediately benefit from an HA foundation that protects their IT operations from the effects of downtime and data loss. Larger enterprises can now resolve the return on investment challenges of maintaining IT infrastructure in distributed or remote environments. And, any business can profit from the bottom line advantages inherent to virtualization — fewer servers, lower energy costs, elimination of planned downtime — without the added expense of specialized hardware, storage area networks or highly trained technical teams. Like all Stratus availability solutions, Avance software simply works.



Operational Simplicity

Total availability
Stratus Avance software is central to our focus on addressing the “total” availability needs of customers. Backed by 28 years of proven leadership, the Avance solution leverages everything Stratus has learned about hardware and software availability — and then takes it one step further. To significantly increase the availability levels of applications running on standard x86 servers.



Financial Advantage

Avance HA is instant and automatic. Unlike other high-availability solutions on the market today, there’s no need for failover scripting, repeated test procedures, or extra effort to make applications cluster-aware. And, with Avance software, restarts are nearly eliminated.

Seamless, automated resource sharing between the Avance nodes ensures that applications continue to run, even during fault-handling and live migration.

Stratus Avance technology detects errors and continues processing during all but the most catastrophic hardware and software faults. To users, greater than 99.99% uptime routinely means no application interruptions, data loss or client disconnects.

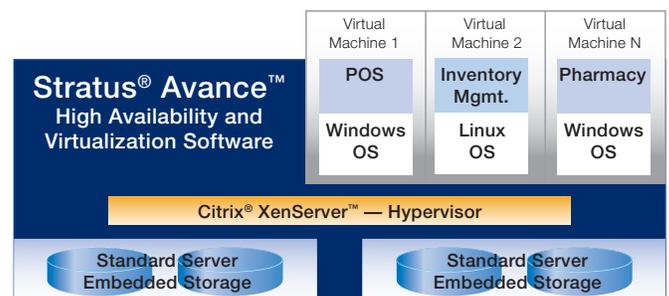
Operational simplicity

Operational simplicity is engineered into every Stratus product and service. Our Avance software is no exception. In fact, all it takes to set up an Avance solution is a pair of x86 servers, a private Ethernet link and less than 15 minutes of your time. Key in one command and Avance automatically builds an HA environment for you. Built-in 24/7 monitoring and error detection, isolation and reporting work concurrently to prevent application downtime. Avance fault handling procedures and administrative functions are also highly automated. This reduces the risk of downtime caused by human error and simplifies ongoing management and maintenance of your application environment.

Embedded virtualization enables you to set up virtual machines in minutes. Just load the Windows® and Linux® guest operating systems and the Avance Virtualization Wizard will do the rest. Your physical x86 servers, virtual machines and network interfaces can all be managed from a single web-based management console that runs within the Avance HA environment.

Financial advantage

Stratus Avance software brings instant high availability and built-in virtualization together in a single low-cost solution. The ongoing financial advantages are better still. Set up and management are simple and there is nothing else to buy. As a result, you’ll save on equipment and staffing, as well as the time and effort needed to set up and maintain clusters or other HA alternatives.



Automatic high availability. Built-in virtualization. Operational simplicity.

Key Features	
ENTERPRISE-CLASS HIGH AVAILABILITY	
<ul style="list-style-type: none"> Automated application availability 	Avance software automatically handles critical subsystem failures — without the intervention of highly skilled operators typically required by other solutions. Full resource sharing between duplex components e.g. disks etc. enables applications to run during fault-handling and live migration procedures.
<ul style="list-style-type: none"> Predictive failure handling 	Predictive failure indicates the primary server may fail, or is running at degraded performance. If this occurs, Avance software automatically uses unaffected resources on the other node.
<ul style="list-style-type: none"> Live migration 	When an actual fault occurs, all VMs automatically migrate to the unaffected node — without suspending operations — to make the faulty node available for servicing.
EMBEDDED VIRTUALIZATION	
<ul style="list-style-type: none"> Instant HA virtual machines 	Once you create virtual machines, Avance does the rest, automatically managing them for assured high availability. No special knowledge of clustering or other high-availability approaches is required.
<ul style="list-style-type: none"> Multiple Guest OSs 	Both Windows and Linux virtual machines can run on a single Avance system.
EFFORTLESS INSTALLATION AND USE	
<ul style="list-style-type: none"> The Avance web console 	Authorized users can remotely monitor and manage the host operating system, virtual machines, physical systems and interfaces from this single web-based management console.
<ul style="list-style-type: none"> Built-in fault management 	Avance includes a preconfigured fault-management system that can also forward SNMP trap events to an IT manager.
<ul style="list-style-type: none"> No SAN required 	Avance provides high availability virtualization without SANs — eliminating the time, effort and cost to set up, manage and audit a storage area network.
<ul style="list-style-type: none"> Simple installation 	Avance installation takes less than 15 minutes and requires no special skills.
<ul style="list-style-type: none"> Mixed server environments 	Your Avance nodes do not have to be identical, providing flexibility when upgrading physical memory and disk.
ENTERPRISE-READY PERFORMANCE AND SCALABILITY	
<ul style="list-style-type: none"> “Bare metal” implementation 	Avance runs directly on the hardware, not on top of a separate host operating system — allowing it to deliver the highest levels of performance and scalability.
<ul style="list-style-type: none"> Hardware virtualization assist 	The latest processor implementations are utilized for excellent performance, even when you run operating systems that are not delivered virtualization-ready.
<ul style="list-style-type: none"> Multiprocessor VMs 	Support for up to 8 virtual CPUs per VM allows you to take advantage of today’s multi-core processors and to deploy the most processor-intensive applications including messaging and database servers.
<ul style="list-style-type: none"> 32GB RAM per VM 	Server-class virtual memory capacity supports the most memory-intensive workloads.

Operating Systems		System Requirements	
		X86 STANDARD SERVER	
MICROSOFT® WINDOWS Windows Server® 2003 Web Edition Windows Server 2003 Standard Edition Windows Server 2003 Enterprise Edition Windows Server 2003 Datacenter Edition Windows Small Business Server 2003		Sockets	1-4
LINUX Red Hat® Enterprise Linux® (RHEL)		Processors	Intel® Xeon® processor Intel VT required
		Memory	1GB - 128GB
		Drives	2 minimum; local boot disk, 32GB and larger
		Network	2-6 ports (1 port must be 1 G/s or more)

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