

# Stratus Avance Software

High Availability. Virtualization.  
Operational Simplicity.

*Experience a new level of business continuity.*



# High availability — made simply better.



## Experience a new level of business continuity without the high costs

Improved business continuity and consolidation are now easily within reach of every IT budget. Stratus® Avance™ software is a single easy-to-use solution, that reinvents high availability from the ground up. Its fundamental technology components — high availability, embedded virtualization and operational simplicity — also

deliver a lasting benefit you won't get from other HA solutions. Lower IT costs.

Ideal for small/medium businesses (SMBs) and remote environments, this new enterprise-class solution from Stratus extends your availability options across the entire business spectrum.

## Transform x86 servers into a high-availability platform with embedded virtualization

Avance software fuses the benefits of high-availability (HA) and virtualization into a single integrated solution. In fact, setting up a resilient Windows® or Linux® application environment has never been easier or more economical. The software's predictive features identify, isolate and report faults while full resource sharing enables the system to use unaffected components if a hardware or software error is imminent. Built-in and preconfigured for immediate activation, Avance virtualization fully leverages Avance HA to ensure the same level of protection for virtual machines and applications.

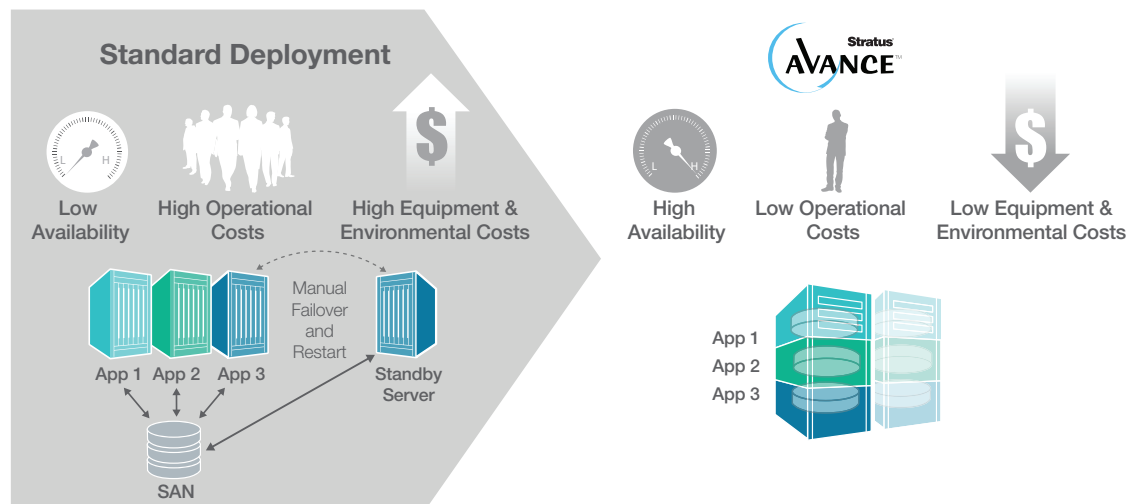
With a single click, Avance software installs an HA environment that immediately protects your business from the high costs of downtime, data loss and reduced productivity. The very costs that multiply the fastest in virtualized IT environments.

## Instant, affordable uptime >99.99% and effortless virtualization

- Get automatic >99.99% high availability and built-in virtualization for standard x86 servers
- Prevent downtime and data loss with automated 24/7 monitoring, error detection, isolation and fault-management features
- Ensure 24/7 access to critical business solutions from a single management console
- Support multiple Windows and Linux virtual machines (VMs) with integrated Avance virtualization
- Provide risk-free virtualization and server consolidation on a platform-independent foundation of high availability
- Reduce the cost and complexity of traditional and virtualized IT environments with a solution that is easy to install, use and maintain
- Benefit from a next-generation IT solution that's ideal for small to medium businesses and distributed or remote locations with limited on-site support

## Avance software strengthens business continuity — and your bottom line.

Avance technology lowers the cost and complexity traditionally associated with high availability and virtualization.



# A single, easy-to-use, easy-to-manage software solution.



Stratus® servers have already earned the trust of global business. Now our Avance high-availability software makes industry-leading availability, virtualization, operational simplicity and the financial advantages they bring more accessible than ever. This highly affordable software enables you to replace disparate stand-alone servers with a single solution that is easy to deploy and manage.

## Instant availability

If you can set up an industry-standard server, you can install Avance high availability. Your organization benefits from >99.99% uptime and data protection as soon as you load the Avance software onto a pair of x86 servers — no clusters to configure and test, no failover scripts to write, no changes to your software applications. Your applications immediately run in a hardened HA environment.

Avance split-site deployment brings you cost-effective enterprise-class disaster recovery (DR). Unlike traditional DR that simply keeps a copy of data in backup, the automated Avance solution replicates “real-time” business data to the second node.

## Integrated virtualization

Built-in virtualization lets your business benefit from the advantages of this technology any time you are ready. Consolidate multiple applications on a single Avance solution with confidence. The software’s tightly integrated combination of high availability and virtualization brings you near-native virtual machine performance in a resilient environment.

## Fast virtual machine provisioning

The Avance Virtualization Wizard makes provisioning highly available virtual machines easy. Resources for new virtual machines are automatically replicated without user intervention, and without requiring any special knowledge of virtualization or high-availability architectures.

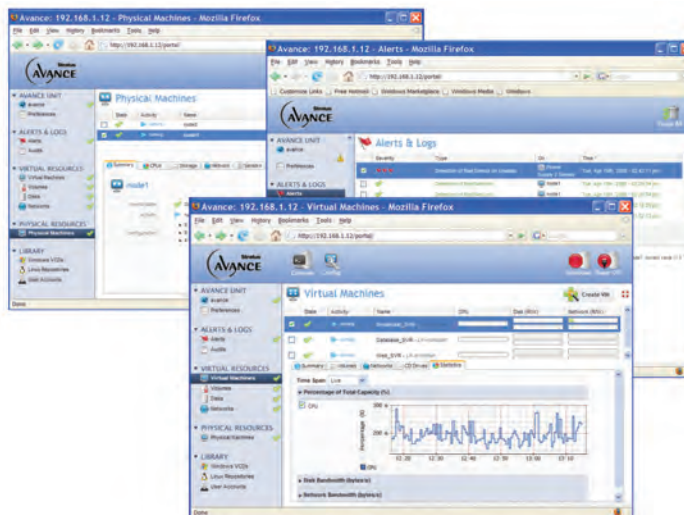
## Affordable to own

Avance high availability provides a hardened, virtualized server environment without the added expense of specialized hardware and expressly trained technical teams. Not only does Avance software run on industry-standard platforms, but also the two server nodes of an Avance system need not be exactly the same. You won’t face constraints imposed by high-availability software that requires identical servers down to the firmware revisions. And unlike a cluster, a storage area network (SAN) is not required. A pair of servers with embedded storage is the only hardware you need. You’ll save significantly on equipment and staff costs, not to mention the time and effort it takes to set up and maintain a SAN.

## Single remote management interface

Avance high availability presents a streamlined single-system image. Authorized IT professionals can remotely monitor and manage the virtual machines, the physical x86 systems and network interfaces. In addition, the management portal itself runs in the Avance HA environment. Essential management and provisioning capabilities don’t rely on a lone server that could easily be a single point of failure.

## Web-based interface enables remote monitoring and management



*Avance software features a single, web-based management console that enables remote monitoring and management of the virtual machines, physical x86 systems and network interfaces.*

*It's just one of the many technology advances that make Avance software ideal for remote or distributed locations without on-site technical staff.*

# The next-generation IT solution. For every business.



The simpler a solution is to manage, the better: Human error is the number one cause of IT downtime. Not to mention there aren't enough hours in the day for your staff to accomplish everything that's asked of them. Avance high-availability software is highly automated — minimizing your exposure to operational errors, while freeing up valuable time.

## Automatic and predictive

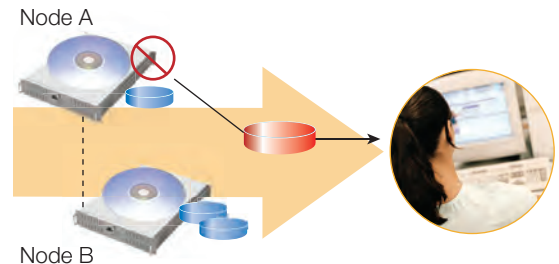
Avance high availability provides instant protection. Data and state are automatically mirrored on your secondary physical server. The software immediately begins monitoring the operation of your physical servers and their virtual machines to predict events and handle faults — without intervention by a skilled operator. Applications ride through most causes of system interruption, including disk and network subsystem failure. As a result, you avoid the processing blackout, data loss and user disconnects that happen during a conventional cluster failover.

## Automated fault management

Avance software automates fault detection and error handling and continually monitors the heartbeat of virtual machines. Upon sensing a problem in one server, the software migrates applications to the unaffected server. The problem is isolated to the component level for rapid repair. Software and

hardware faults and other events are automatically reported via e-mail and custom reports to your IT staff and/or another authorized service provider.

## Complete online management



*Even if a server node is completely down, Avance software diagnoses and isolates the issue and calls for repair.*

## Live upgrades

Avance high availability also helps eliminate planned downtime for hardware and software upgrades. Use the management portal to transfer production to the other member of your server pair, and your virtual machines won't miss a beat. When you're ready to bring the upgraded system back online, Avance software automatically resynchronizes the application(s) and disk mirroring.



Avance software makes high availability and virtualization affordable for every business environment.

## Automatic High Availability. Effortless Virtualization. The Agility to Go Anywhere.

Business-critical application	Consolidation	Hosting
<ul style="list-style-type: none"> <li>• Highest availability</li> <li>• Online upgrades</li> <li>• Split site</li> </ul>	<ul style="list-style-type: none"> <li>• Hardware reduction</li> <li>• Appliance-like, simple</li> <li>• Out-of-the-box availability</li> <li>• Agility: new application deployment</li> <li>• Full remote management</li> <li>• Low-cost solution</li> </ul>	<ul style="list-style-type: none"> <li>• Hardware reduction</li> <li>• Selectable SLAs</li> <li>• Agility: business provisioning</li> <li>• Scalability</li> <li>• Resource monitoring/alarming, re-provisioning</li> <li>• Split site</li> </ul>

Specifications are summary and subject to change. Stratus and the Stratus logo are registered trademarks and Avance, the Avance logo and the Stratus Technologies logo are trademarks of Stratus Technologies Bermuda Ltd. Citrix and XenServer are either registered trademarks or trademarks of Citrix Systems, Inc. in the United States and/or other countries. Windows is a trademark or registered trademark of Microsoft Corporation in the United States and/or other countries. The registered trademark Linux is used pursuant to a sublicense from the Linux Mark Institute, the exclusive licensee of Linus Torvalds, owner of the mark on a worldwide basis.