

LEGATO[®] Co-StandbyServer[®] AAdvanced

LEGATO solutions



In today's world of mobile computing, global business and electronic commerce, businesses need their critical servers and applications available 24x7, 365 days a year. Every minute of downtime, planned or unplanned, can cost thousands of dollars and lost opportunities. LEGATO Co-StandbyServer AAdvanced with its patented synchronous mirroring protection provides advanced, reliable, and cost effective availability with turnkey simplicity. Co-StandbyServer AAdvanced delivers solutions that provide everything needed to synchronize data between two servers, monitor and restart critical Windows application services, and avoid the costly effects of system failures. Keep your business in business with Co-StandbyServer AAdvanced.

The Next Step in Windows Availability



Features and Benefits

LEGATO Co-StandbyServer AAdvanced provides **patented block-level synchronous mirroring** protection, used by over 3500 customers worldwide to safeguard their Windows data. LEGATO synchronous mirroring protects production Windows data by creating a second copy on a connected Windows server, which can be used if the first copy is damaged or becomes unavailable. This proven mirroring technology delivers outstanding performance and reliability, and ensures that your critical data is always in a known state. Through the use of a dedicated link, risks and latency typically associated with public networks are avoided. LEGATO supports standard LAN and also Fiber connections, to enable you to mirror data across distances up to 10 kilometers.

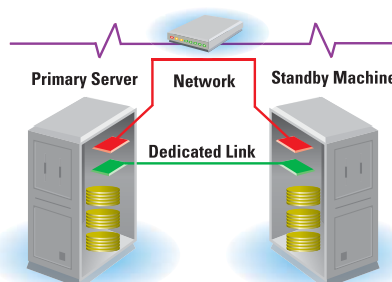
LEGATO Co-StandbyServer AAdvanced is now integrated with application availability protection from LEGATO AAM, which monitors the state of applications and supporting resources including servers, networks, and data and which automates fail-over to a second server in the event that the failure cannot be repaired on the first server. In a fail-over, the resources from the first server such as IP addresses, shares, applications and data volumes are activated on the secondary server. Once activated on the secondary server, all network clients are automatically reconnected to those resources, ensuring users continue to have access to business-critical data and applications.

LEGATO Co-StandbyServer AAdvanced also provides **pre-tuned monitoring and recovery** of critical Windows applications, including SQL, Oracle and Exchange, increasing the availability of these critical applications and making it simpler and easier to deploy availability as a turnkey solution.

Ease Of Use

Co-StandbyServer AAdvanced is designed to minimize the administrative burden of managing applications in branch office and departmental IT departments. Key ease-of-use features include:

- Wizard deployment using setup.exe ensures that you can quickly and easily deploy Co-StandbyServer AAdvanced in just a few minutes per server.
- The Java Console provides you with resource details ensuring you can rapidly find and repair problems on the failed server.
- The Java Console provides a live state indicator for all managed objects defined by a color status, shown right on the main screen for all managed servers and resources across as many branch offices and departments as you have protected. This allows you to see what is happening as soon as it occurs, and respond to it more quickly and precisely if action is required.



Mirroring between two Windows servers using a dedicated link

- Three levels of user-access, including administrator, operator and read-only access, simplify and reduce the cost of your availability management. Operators can view and control all objects in a domain, but cannot change their definition. This ability to delegate daily operations to operators frees up valuable administrator's time while still maintaining administrative control.
- Availability Tracking allows you to track metrics for reporting and analysis, providing a comprehensive picture of the health of your environment. Each resource group defined by the administrator is

tracked by cause, duration, date and time of each downtime event, and is categorized as planned or unplanned. Administrators can export this data to easily report on the service levels that they have delivered, and to measure the downtime associated with maintenance and other planned activities versus actual failure.

Scalability and Interoperability

Co-StandbyServer AAdvanced can easily be upgraded to LEGATO AAM with just the change of a license key, to work with UNIX and Linux systems in addition to Windows.

All of these servers can be monitored and managed from AAM's Java Console at the same time, dramatically lowering the total cost of availability management. This capability to scale up to UNIX and Linux is unique to LEGATO's offering, and enables Windows to enter data centers without adding extra cost and management overhead. In addition, it offers customers running Windows in multiple branch offices the ability to manage and control all of their resource availability, across all sites and servers, using a single centralized team of expert administrators.

ADMINISTRATION CHALLENGES	PRODUCT FEATURES	CUSTOMER BENEFITS
Need to perform system maintenance during business hours without affecting user access to critical Windows application services	Drag & drop moving of resources between clustered servers delivers continuous access	Perform maintenance or upgrades without downtime
Must deliver on service level requirements for Windows data and services availability	Block-level mirroring ensures duplicate copy of data within campus environment	Achieve 24X7 access to business critical information and applications
Must deliver availability solution to protect critical applications within a limited budget	Like hardware not required	Lower Total-Cost-of-Ownership
Require availability solution in branch office or small department with limited on-site technical support	Simplified implementation and centralized management minimizes administrative burden on IT staff	Protect critical applications without increasing operating overhead
Require the ability to delegate daily availability operations while maintaining security	Operator level access allows users to relocate resource groups to another node, but not modify critical configurations	Reduce availability management overhead
Require an availability solution that can grow as your business grows	Simple license key change upgrades the solution to LEGATO AAM, offering enterprise scalability and interoperability	Increase Return-on-Investment and simplify IT planning

System Requirements

Co-StandbyServer NT

- Two Intel-based servers. The hardware in each does not need to be identical but it should be as similar in RAM, processor and disk technology as possible
- 30 MB of free space on the system hard disk for the Co-StandbyServer files on each server
- An active/active configuration requires a minimum of two additional disks (total of three) per server as seen by Windows NT Disk Administrator
- An active/passive configuration requires at least one additional disk (total of two) per server as seen by Windows NT Disk Administrator

Co-StandbyServer AAdvanced

- Two Intel-based servers with 133 MHz or higher Pentium-compatible CPU
- 256 MB of RAM recommended minimum (128 MB minimum supported; 8 GB maximum)
- Windows 2000 Server/Advanced Server/Data Center Server
- Windows 2003 Server/Advanced Server/Data Center Server
- 30 MB free disk space
- Additional network cards in each machine

Applications Supported

- Microsoft SQL 2000/SQL 7
- Microsoft Exchange 5.5/2000/2003
- Microsoft IIS
- File and Print Services
- Oracle 8i/9i

See the LEGATO Compatibility Guide for details and a complete list of supported systems. Go to www.legato.com/support/documentation/compatibility



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