

GuardianSave™

Zero Downtime Backups — Fast Point-of-Failure Recoveries

- *Do you have to give users the boot for an hour or more each day just to get dependable backups?*
- *Are you using the iSeries save-while-active feature to reduce this downtime, but either you've still got too much downtime or you can't save all objects?*
- *Do you wish you had the no-downtime backup and point-of-failure-recovery advantages of a comprehensive high availability solution but can't justify the cost?*

If any of the above questions seem familiar, iTera's GuardianSave is a very affordable solution that just may be the 'missing link' you've been searching for. GuardianSave bridges the gap between simple tape backups and a full-featured high availability solution by eliminating the downtime caused by backups and system saves. And GuardianSave provides surprisingly effective point-of-failure recovery features, all for a small fraction of the cost of a full high availability solution.

Backup Without Downtime

GuardianSave provides significant enhancements to the journaling and save-while-active features of the iSeries. This allows you to fully save any number of objects as often as you want while continuing to keep the objects available to users each time a save is performed.

Sure, it's true that anyone can use the save-while-active feature of OS/400 to save objects while users and processes continue to access the objects. The trouble is, unless you are using commitment control to ensure data integrity (complete units of work), save-while-active needs to fully allocate saved objects for 15 minutes or longer while checkpoints are set to designate complete transactions. This means there is still a fair amount of application downtime every time you save. GuardianSave's exclusive technology eliminates this downtime window, saving hundreds of hours of downtime each year. Additionally, GuardianSave also ensures that all designated objects are always saved — unlike save-while-active.

Easily Recover Data to Point of Failure

On top of the tremendous benefit of eliminating downtime during tape saves, GuardianSave provides the ability to restore data right up to the point of failure in the event your system should fail between saves. GuardianSave's exclusive technology works in conjunction with OS/400 journaling functions to perform ongoing replication of data to any TCP/IP connected storage device such as a network server, or even a PC running Linux. Therefore, even if you save your critical data each night at midnight but the system fails the next day at 11:00 p.m., you can automatically retrieve and restore all transactions that have occurred up to the moment of failure. This important feature can make the difference between having your company down for only a few hours, or for several days.

High Availability 'Lite'?

It's surprising how many shops spend huge sums of money to purchase and maintain a comprehensive high availability solution only for the purpose of making reliable backups without downtime. iTera sells the best high availability solution in the iSeries market; therefore, we know that there are many shops where a true HA solution is necessary, but there are other shops where HA is — frankly — overkill. That's why we created GuardianSave. This versatile solution is a bit like having 'HA Lite' as it not only eliminates downtime from backups, but also has remarkable point-of-failure recovery abilities!

Small organizations can now enjoy many of the benefits of a high availability solution without the cost of buying a full-blown HA system. In addition, larger shops that already have a true high availability solution installed in their larger production environments will find that GuardianSave delivers an extremely cost effective means of eliminating downtime in their smaller environments while providing impressive data recovery capabilities.

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iTera

No Time for Downtime™

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Features	Benefits
Eliminates downtime during data backups	Improves productivity and customer satisfaction, which can dramatically improve your bottom line
Ensures complete tape saves of all designated objects	Eliminates surprises when restoring data
Recovers data easily to a point of failure, or if needed, to any point prior to the point of failure	This feature alone could literally save your business!
Costs about 10% - 30% of iTera's Echo ² High Availability solution, and about 5% - 10% of most other HA solutions	Experience many of the benefits of high availability for only a fraction of the cost
Manages necessary journal components automatically	Operators need not have experience creating or managing journal processes
Saves journaled data automatically to tape or offline via a TCP/IP connected device	Protects data, allowing you to quickly reconstruct data to a point of failure
Guides the operator through the entire data recovery process	System operators with even minimal experience can restore data from an offline device to bring data current
Includes iTera's IT Auditor product	GuardianSave not only manages journaling but lets you quickly create reports to audit any journaled data
Pages an operator automatically if a problem occurs	Helps ensure quick problem resolution



How Sound Is Your Backup and Recovery Strategy?

You know how essential it is to successfully backup your critical data each day and to perform regular full-system saves. But as essential as doing regular backups is a backup and recovery plan in which you can confidently restore the data that is most important for your business. There are few things as damaging to a business than experiencing a disk or system failure and then discovering that a current and useable backup

of critical data doesn't exist. With a good backup and recovery strategy in place, you may only lose your system for a few hours if disaster strikes; however, not having a tested and reliable recovery strategy in place at the moment of truth can destroy your business. According to the Hurwitz Group, 43% of businesses never reopen after the loss of a system for several days, and another 29% close within two years.

**For a full demonstration of GuardianSave, or for more information, please contact us:
Phone 1-800-957-4511, Email: info@iterainc.com, Visit: www.iterainc.com.**

A Complete Suite of System Availability Solutions

When used individually or in concert, iTera's availability solutions ensure that your systems remain online during your critical hours of operation—no matter if it's 9-to-5 or around the clock. Whether it's unplanned causes like disasters, human errors and system failures, or planned maintenance events like file reorgs, backups or OS upgrades, iTera is your complete resource when there's *no time for downtime*.

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