

# **Robot/SAVE<sup>®</sup>**

Automated Backup • Tape Management System • Data Encryption  
Restoration • Data Center Management • Object Archive

# Complete Disaster Insurance For Your System i



## Backup, Recovery, And Tape Management

Every year, companies like yours spend a tremendous amount of money for insurance to protect against disasters, employee errors, theft, and other bad things. The cost of insurance is a natural part of doing business.

In the IT department, your company's computer data also is threatened by unforeseen events. You can lose important data if the computer is destroyed, a program defect ruins an important file, an operator clears a critical library, or your backup tapes are lost.

How do you calculate the cost of lost computer data? For the company, it can range from the expense of re-creating lost data, to the payment of fines, to bankruptcy. For you, it can range from the loss of next year's raise to the loss of your job.

To protect your company and your career, you have backup procedures in place. These backups are your insurance to protect your computer data from unforeseen events.

However, backups are only a small portion of what you need for complete protection. The ability to recover from a disaster is the key to protecting your IBM® System i™ (System i5™ and iSeries™), Domino servers, and Windows servers.

Recovery is all important and your other processes have to support this vital goal. Backups replicate data to tapes. Encryption protects critical data on the tapes. Tape management systems make sure you can find the right tapes easily. Archive management systems tell you which tapes contain the data you need to restore an object or the entire system.

Robot/SAVE organizes all these pieces and automates the steps required for a safe, hassle-free recovery.

## 7 Ways Robot/SAVE Protects Your System i

Robot/SAVE has the power to help you recover when unfortunate events occur. Here are 7 ways Robot/SAVE can protect you, your System i, and your company.

### 1. Automatic Backup

You tell Robot/SAVE what you want to back up—libraries, object lists, the IFS, Domino databases, the Robot/REPORTS archive, Windows servers, or the entire system. Robot/SAVE performs the backups night after night, week after week, as instructed.

### 2. Guided Restoration

If disaster does occur and you lose your system, Robot/SAVE guides you through the restoration process. No restarts. No object losses. No worries. And, your auditors will be impressed.

### 3. Tape Management System

Your backups are useless if you can't locate the save media you need. Robot/SAVE's tape management system is so easy to use that anyone can become an expert. Whether you need to control 50 tapes on a single system, or 50,000 tapes across 20 systems in a data center, put Robot/SAVE to work for you.

### 4. Data Center Management

Robot/SAVE's data center management system lets you manage your volume tasks across several systems. Set up the System i systems in your computer room (or an LPAR system) as a data center, and Robot/SAVE routes the volume-related information in its database to each system. The systems remain in sync with each other so you can perform volume management and reporting tasks from any system defined to the data center.

### 5. Object Archive and Object List Management

The most common reason users go to a backup tape is to recover a single object. Robot/SAVE makes it easy.

The object archive system and your save media allow you to restore prior versions of libraries, database files, source members, documents, programs, object lists, IFS files, Domino databases, or PC files. When you need to restore an item, Robot/SAVE helps you find the version you need and then restores it for you automatically. Robot/SAVE includes an interface to Robot/CORRAL, our FREE object selection manager. With Robot/CORRAL, you can easily save and restore individual objects or lists of objects and implement hierarchical storage management on the System i.

### 6. Domino Online Backup

Robot/SAVE's Domino Online Backup allows you to back up your Domino servers while they're active and files are in use. Your users don't need to sign out of their e-mail program and you have the ability to recover your vital data up to the time of the last saved transaction, whether you are restoring an individual mailbox, a Domino database, or your entire server.

### 7. Disaster Planning

Robot/SAVE's unique fill-in-the-blank Disaster Planning system allows you to complete your plan in days rather than weeks. You can be confident that the steps you need to take in the event of a disaster are documented and ready to use.

## Compliance With Government Regulations

Increasingly, government regulations, such as Sarbanes-Oxley, are requiring that companies prove they have internal control procedures in place and can certify the effectiveness of those controls. Robot/SAVE provides a structure for compliance. The automated backup of data; reliable, detailed reporting; tape inventory controls; and the ability to recover saved data when needed all make Robot/SAVE an ideal partner to meeting the demands of your auditors.



*Robot/SAVE is insurance for your System i systems. Its comprehensive approach to backups, tape management, and recovery helps protect you from any type of disaster.*

# Recovery Is The Key To Disaster Protection



## Insurance Is The Price Of Doing Business

Insurance would be a waste of money if bad things never happened. But because bad things do happen, your company needs insurance. Robot/SAVE is insurance for your System i. Robot/SAVE would be a waste of money if:

- Buildings and computers were never destroyed.
- Tapes were never lost or stolen.
- Employees never made mistakes.
- Restoration instruction logs were never wrong.
- Domino mailboxes never needed to be restored.
- PC disk drives never crashed.

Your company needs Robot/SAVE. Many companies buy Robot/SAVE right after they experience a disaster from which they had trouble recovering. They've learned that recovery is the key.

## More Than Backup Or Tape Management

If you're satisfied with just a backup package or just a tape management package, you probably don't need Robot/SAVE. But, if you're looking for automated backups that save your vital data and integrated tape management that controls and locates the tapes you need for a reliable, worry-free recovery from System i disasters, Robot/SAVE is for you. If recovery is your key, take a closer look at Robot/SAVE.

## Give Yourself A Head Start For An Easy Recovery

You've heard the stories a thousand times—the details are different but the problem is the same. Your company buys a new System i and needs to restore existing data on the new system. A pipe breaks over the weekend and floods the computer room. A tornado hits and destroys the entire building. The reasons you need to recover may differ, but the requirements are the same—get your system(s) back online as soon as possible so your business doesn't suffer.

With Robot/SAVE, you're ahead of the game. Use Robot/SAVE's guided restoration procedures to restore your System i accurately and efficiently, while you minimize your downtime.

Robot/SAVE helps you recover your System i just by following these steps:

- Locate the most recent Robot/SAVE Restoration Procedures report, which prints automatically at the end of every backup session. The report lists the volumes you will need to restore your system. Locate the volumes so they're available for the restoration process.
- Follow the restoration report to restore required configuration and user data, and the Robot/SAVE libraries. The restoration report tells you the commands to use to restore this vital information.
- After you've restored the Robot/SAVE libraries, you can use Robot/SAVE's guided restoration procedures to complete the recovery. The Guided System Restoration Procedures panel allows you to select the items to be restored. Robot/SAVE determines

how to restore the items so that each item and its changes are restored in the proper order with no false starts, no fruitless searches, and no unnecessary downtime. The restoration process proceeds efficiently as libraries, documents, and directories are restored automatically. Encrypted objects are restored as part of the restoration process with no extra effort on your part. You just sit back and watch as Robot/SAVE tells you whether or not the restore was successful. Robot/SAVE even writes a status message for every restore operation it performs.

You can perform these steps at a hot site just as easily as in your own computer room. Each set of backup tapes contains its own instructions for guided restoration, so you're always prepared for any situation.

## Recover Your Domino Databases To A Specified Date And Time

A Domino Online Backup saves your Domino databases and transaction logs while the Domino server is active and the database files are in use. The transaction logs are records of changes made to the database since the last time it was saved. By saving transaction logs as part of its backup, Robot/SAVE allows you to recover a database to a selected point in time.

When you need to recover a single database, or your entire server, Robot/SAVE restores the database and then applies the saved transaction logs to recover your data to a date and time you specify. You also have the option to restore a Domino database as it was when it was saved, without applying any changes made to the database after the save completed.

```
RBS342          Guided System Restoration Procedures      15:28:57
                  Listed by Item Name                      CYBRKING

Start at Item:  _____
Options
  1=Restore Item      3=Display Volume Information

Opt  Item for Restoration
--  Restore entire library ACTDATA from available media
--  Restore Changed Objects for Library ACTDATA from available media
--  Restore entire library CUSTOMDATA from available media
--  Restore entire library EMPLOYEE from available media
--  Restore Changed Objects for Library EMPLOYEE from available media
--  Restore entire library MANUFACT from available media
--  Restore Changed Objects for Library MANUFACT from available media
--  Restore SAVCFG from available media
--  Restore SAVDLO from available media
--  Restore SAVSECDTA from available media
--  Restore Domino Databases on server MAILA from available media

F3-Exit      F9-Select Sort      F12-Previous      More...
F21-Restore all  F22-Restore existing      F13-Repeat to end
```

Robot/SAVE's Guided System Restoration Procedures panel provides a detailed roadmap to restoring your system data.

# Automate Your Backups For A Speedy Recovery



## Reliable Backups Are Not Easy

Achieving reliable, accurate backups day after day is the ultimate goal of your IT department. However, any backup system is prone to error—and possible disaster—if too much human interaction is required.

Consider the steps necessary to perform your daily backups—from determining what to save, to locating tapes, to tracking the saved items, to managing the save media after the backup. Robot/SAVE automates all the functions required to perform a complete backup. Once the system is set up, little human interaction is needed to do your recurring backups.

You tell Robot/SAVE your save procedures once. From then on, Robot/SAVE takes over. It performs your backups as instructed, day after day, night after night—automatically. If Robot/SAVE does need assistance, it alerts the operator. If you add new libraries, Robot/SAVE adds them to its save procedures automatically. If a system restoration is needed, Robot/SAVE has the objects ready to restore so your System i can return to action, fast.

## Save The Day—Every Day

Robot/SAVE backs up libraries, object lists, IFS files, Domino databases, the Robot/REPORTS archive, and attached clients—automatically. You use the same techniques and procedures to define your backups, making it easy to set up. Robot/SAVE uses a unique concept in automatic backups—the “backup set.” A Robot/SAVE backup set includes all the procedures required to do a recurring backup, including customized media management procedures and before- and after-save instructions. Just complete our fill-in-the-blank panels. A report documents the backup set definition and procedures for you and your demanding auditors.

## Backup Sets Automate Your Backups

A backup set consists of several components that completely define your backup process, including:

**Tape Management Procedures:** Tell Robot/SAVE the tape devices to use. If you have an Automated Media Library (AML), Robot/SAVE can use automatic tape handling procedures. Finally, specify where the tapes should be moved after the save completes.

**Before and After Backup Set Procedures:** Robot/SAVE can do many tasks before and after the actual save portion of the backup set. For example, you can reorganize files, execute programs, send Robot/ALERT pager or e-mail messages, and more.

**Tape Volumes to Use:** A rotation is a group of tapes used by the backup set for the save. Robot/SAVE assigns volumes automatically from the scratch tape pool, making sure the volumes don't contain valid data. If Robot/SAVE encounters a tape that is write-protected, contains unexpired data, or has a media error, it rejects the tape and mounts the next available tape—so your save isn't interrupted by media problems.

**Items to be Saved by the Backup Set:** Just as an operator needs to know what to save in a backup session, you tell a backup set the items to save and how to save them. With Robot/SAVE, you can select to save libraries, documents, the IFS, Domino databases and transaction logs, security data, and configuration data. If you have Robot/CORRAL, you can create object lists containing only the items you want to save. Or, add PCs to your backup strategy with Robot/CLIENT, the server operations event manager.

These are just a small part of the power Robot/SAVE brings to your backups.

## Encrypt Your Critical Data

Robot/SAVE encrypts data that's saved to tape, making your backup tapes as secure as your system. You specify what to encrypt—entire libraries, individual objects, object lists, IFS objects, and Domino databases—and the encryption process becomes part of your overall backup strategy. Robot/SAVE provides four encryption levels (including AES128, AES256, and DES) allowing you to select the level required to protect your data. Restoration of encrypted data is transparent with Robot/SAVE. But, if a tape is lost or stolen, the encrypted files are unreadable. Robot/SAVE even handles key maintenance—it maintains a secure cross-reference file of your encryption keys. Robot/SAVE encryption helps you secure data as required by government regulations or privacy laws, such as Sarbanes-Oxley Act, HIPAA, and the Payment Card Industry (PCI) Compliance Initiative.

## Back Up Your Windows Clients And Servers Using Your System i

Robot/SAVE brings automated backup, recovery, and archiving to attached clients and servers. Robot/SAVE works with Robot/CLIENT, the server operations event manager, to back up your Windows directories using the same procedures and strategies you use for your System i backups.

## Customize Your Backups With Robot/CORRAL®

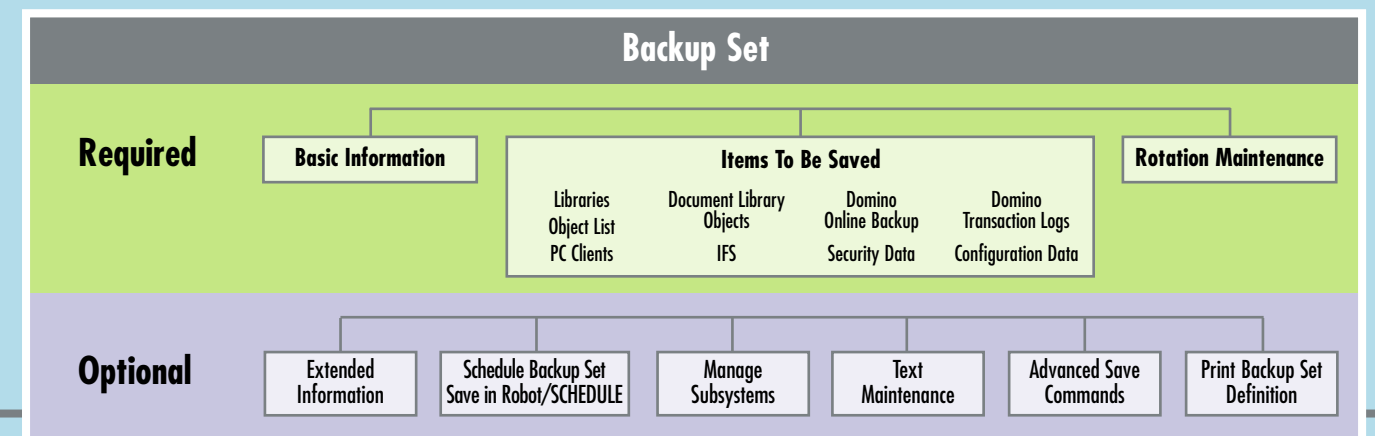
Use Robot/SAVE with Robot/CORRAL, our FREE object selection manager, to build a customized list of objects to save or restore. Robot/CORRAL offers three object selection methods—Automatic, Pathfinder, or Manual—so you save or restore exactly what you need—every time. Modify the list at any time or have Robot/CORRAL update the object list automatically.

## Resume Incomplete Backups

If your backup stops before completion, Robot/SAVE gives you the option to resume a multi-library backup from the point where it left off. Getting a complete backup has never been easier.

## Unattended Restricted State Backups

Robot/SAVE includes our FREE Restricted State Utility (RSU). You can schedule your entire system backup on Robot/SCHEDULE and run a restricted state save unattended. If problems do occur, Robot/SAVE uses Robot/ALERT to notify an operator.



*A Robot/SAVE backup set contains all the procedures required to back up your data. You create customized instructions that save exactly what you need.*

# Media Management Eliminates Errors



## A Media Management System For Everyone

We designed Robot/SAVE to be so easy to use you can put in media management controls you never thought possible. We've built in safeguards that make unsafe or error-prone tape handling practices difficult or impossible. You just set up how you want your tapes managed and let Robot/SAVE take over.

To make it easy, Robot/SAVE uses move sets to define a sequence of locations that tape volume movement should follow. The move set documents a tape's movement cycle from backup to storage and to backup again. When it's time to move volumes, Robot/SAVE's auto move processing completely automates the movement of tapes through the locations in the move set. At the end of each save, all eligible backup set rotations move automatically to the next location in the move set. Auto move processing even creates a history file so you have a detailed audit trail of your tape volume movement.

## A Media Management System For Experts

If you have years of experience, this is the system you've been dreaming about. The Robot/SAVE User Guide describes all of its powerful features. Some of the features you'll appreciate include:

- Volume options that provide instant access to any volume management procedure from any panel that displays volume information.
- Status displays that show when each tape operation was performed, how long it took, and whether it completed successfully. In a System i network, Robot/SAVE sends the statuses automatically to the Robot/NETWORK Status Center on the Host system.
- Automatic attachment of scratch volumes to rotations. Robot/SAVE rejects any unexpired volume or

a volume from another computer. This is essential in today's multi-platform environments.

- Automatic release of expired volumes to the scratch tape pool when they arrive at a specified location.
- Reports that provide detailed information about the number of volumes you'll need for upcoming backups, expired volumes, volumes leaving for off-site storage or arriving on-site, volume movement, scratch pool inventory, and more.

## Managing Data Center Volumes Has Never Been Easier

The Robot/SAVE data center is another innovation in tape management. When you set up the systems in your computer room (or an LPAR system) as a data center, you can manage your volume-related information from any system defined to the data center. That means you can report, view, add, delete, and edit media-related data from any data center system. Because the volume data is routed to all systems in the data center, you'll find it easy to maintain tape integrity and prevent errors such as those caused by mounting a tape containing valid data from one system onto another system.

## Keep Errors From Driving You To Distraction

Whenever several systems transfer data among themselves, the potential for error becomes a major concern. If two different systems modify a volume or security record, the result is an inconsistency in the database. In addition, tape errors can occur on any system if a volume contains unexpired data or the tape is damaged. Robot/SAVE prevents these errors from causing irreparable harm. It identifies the error and prevents any additional operations from being performed on the item in error. Then, use Robot/SAVE's error resolution panels to see detailed information on each error and what you need to do to resolve it.

## Ad Hoc Tape Management

Not all your tape operations involve backups. Commands, such as SAVOBJ, SAVLIB, CPYTOTAP, or INZTAP, write data to media volumes. We call these tape operations, performed outside of Robot/SAVE, ad hoc operations. Robot/SAVE tracks the media volumes you use in these operations to help protect your backup media.

The ability to track ad hoc tape operations on your system lets you do the following:

- Prevent users from accidentally overwriting volumes that contain valid backup data used by Robot/SAVE. If someone issues a save command or attempts to initialize a volume, Robot/SAVE checks its database to verify that the tape is available for use.

- Manage the expiration dates of the volumes used in ad hoc operations. If users don't specify an expiration date for a volume, you won't know when the volume is available to be reused. Robot/SAVE can force those volumes to expire after a specified number of days.
- Release expired ad hoc tapes to the scratch pool so that they are available for Robot/SAVE operations or other ad hoc operations.
- Use tapes from the Robot/SAVE scratch pool for ad hoc operations.
- Provide an audit trail so you know who backed up what data on your system.

You can display the volume information for any volume used in an ad hoc operation from Robot/SAVE's volume management panels.



*Robot/SAVE's complete tape management system makes it easy to manage a few tapes on a single system or thousands in a large data center. With Robot/SAVE, you'll always be able to locate the media you need.*

# Object Management For Error Recovery



## Object Recovery For Your System i And Attached PCs

Recovery is more than system recovery for a System i or a PC—it also includes the ability to recover individual objects that are damaged or deleted accidentally. Robot/SAVE has two processes for object management and recovery. The first is the Object Archive, which helps you restore the version of the object you need. The second is Robot/SAVE's interface with Robot/CORRAL, the FREE object selection manager. With Robot/SAVE and Robot/CORRAL, you can easily save and restore individual objects or a list of objects.

## Too Many Mistakes Can Fill Your Life With Crises

If every employee were perfect, never made mistakes, and could predict the future, you'd never need an object archive. Since this isn't the case, your Object Archive allows you to recover when:

- A new batch update program ruins a file.
- You discover an operator cleared the wrong file last week.
- A programmer radically changed a source member, but now wants to return to an earlier version.
- A file is corrupted.
- A PC disk drive crashes and important data is lost.
- A file in a directory on a Domino server is deleted accidentally.
- Something corrupted an IFS directory.
- An object is logically damaged after a power failure.
- A PC user accidentally deletes a vital file.
- Domino mail needs to be restored.

If your life is filled with one crisis after another, let Robot/SAVE bring you peace of mind.

## Object Destruction Insurance For Your System i

When you need to replace an object, the Object Archive helps you find the version of the object you need. Just select the object you want and Robot/SAVE restores it automatically.

Robot/SAVE's Object Archive displays help you find exactly what you need and restore it fast:

**Library Archive Inquiry:** Locate a specific library to restore. Restore the entire library or select specific objects to restore.

**Library/Object Archive Inquiry:** Locate other objects, including the members of a database file.

**Folder/Document Archive Inquiry:** Select from documents and folders.

**Source File Archive Inquiry:** See a list of all the source files, and their members, on your system.

**Object List History Inquiry:** Displays the object lists, and the objects in each list, saved by Robot/SAVE.

**PC Client Archive Inquiry:** Displays the directory structure of the PCs backed up by Robot/SAVE and the files and documents on each PC.

**Integrated File System:** Lists the directories and files in the Integrated File System (IFS).

**Security Data:** Shows the backup information for the security information saved by the SAVSECDTA command.

**Configuration Data:** Shows the backup information for the configuration and system resource management data saved by the SAVCFG command.

**Domino Online Backup:** Displays the Domino databases that have been saved and allows you to restore or recover Domino databases.

## Recover Domino Databases

Whether you need to recover a single database, or your entire server, Robot/SAVE's Domino Online Backup helps you find the information you need. Select the database and specify the date and time to which the transaction logs should be applied. Robot/SAVE restores the database and then applies the saved transaction logs. Your Domino database is up-to-date and you're back to work.

## Object List Management

Robot/SAVE uses Robot/CORRAL, the FREE object selection manager, to save, archive, and restore at the object level. An object list consists of a set of selection criteria and the objects that meet those criteria. You specify the selection criteria so the objects you save are exactly what you need. Save the object list and restore

the entire list, or just individual objects, when they're needed. Robot/SAVE keeps track of the objects for you.

## Hierarchical Storage Management

Use Robot/SAVE with Robot/CORRAL to manage your own hierarchical storage system. Create an object list whose selection criteria are based on when the objects were last used. If the objects haven't been used for a specified period of time, Robot/SAVE can move the objects on the list to tape.

Robot/SAVE works with IBM Media and Storage Extensions (MSE) to allow you to free disk space on your System i. Save an object list, and Robot/SAVE and MSE work together to restore it automatically when the objects are needed. This option doesn't require any programming—and, if you use an AML, all tape handling is done automatically.



*Recover individual objects, libraries, files, Domino databases, and more with Robot/SAVE's object archive. Detailed records help you locate the item you need and restore it quickly.*

# Data Center Management For Complete Control



## Manage Your System i Data Center From Any System

A data center often includes several types of systems—from multiple System i systems (or a logically partitioned [LPAR] system) to Windows and UNIX servers. Because of the variety of systems and their differing requirements, operators are always looking for ways to make life as simple as possible.

The System i systems in the data center usually share a centralized pool of tapes. This close physical proximity makes it easy for an operator to accidentally load a tape from one system into another system, making the backup and recovery process less reliable. Robot/SAVE's Data Center Management system helps prevent these types of errors by making each system aware of the others' activity and data content.

Operators view the systems they manage as a group, not as multiple individual systems. Volume management becomes a data center activity, not something handled system-by-system. Robot/SAVE consolidates the volume-related information in its database to allow volume management and reporting from any system in the data center. It works with Robot/NETWORK, the network management software, to control and route all communications among the systems in the data center.

Set up your System i systems as a Robot/SAVE data center and you can manage your volume-related information from any system defined to the data center. One of the major benefits of a data center is the ability to

maintain a centralized, yet distributed, scratch pool. Share volumes among the systems in the data center or reserve them for a specific system. View, add, delete, or edit volume information from the most convenient system. The volume information is routed to all systems in the data center so you don't have to worry that your tape integrity is being compromised.

## Identify Conflicts Between Systems Before They Occur

Of course, combining system information can bring its own set of problems. Volume naming strategies may differ; backup classes and sets can have the same name, but involve totally different procedures for saving data; different locations use the same name—all increase the possibility of conflict and confusion.

Robot/SAVE makes sure that won't happen. Its Import Forecast report helps you get your systems ready to include in a data center. The report lists the actions that will be taken during the inclusion of a specified system. You can resolve any conflicts between the candidate system and the rest of the data center before actually including it into the data center. These changes might include renaming a media type, resolving duplicate names (such as locations or move sets), or changing the volume format.

By using the Import Forecast report to identify and resolve these issues in advance, your data center is ready to use when you are.

## Unite Your Data Center With An Automated Media Library

Robot/SAVE supports several popular Automated Media Libraries (AMLs) from IBM and StorageTek. Call for a current list. For each device, Robot/SAVE provides a program that interfaces the AML with Robot/SAVE's automatic tape handling to load, assign, unload, and

eject media during a save session. You can connect an AML to multiple System i systems—so all the systems in your data center can use the same AML. Robot/SAVE automatically manages messages from the AML, allowing you to perform all your backups unattended, even SAVSYS and NONSYS saves. Robot/SAVE makes sure the proper volumes are mounted, and if a problem does occur, it sends a message asking for assistance.



*Robot/SAVE helps you manage your data center. Connect multiple System i systems to an AML and perform volume management and reporting from any system in the data center.*

# Join The 15,000 Customers Using Our Automated Operations Solution

## The Robot Automated Operations Solution

Whether you have a single System i or a network of them, Help/Systems is committed to providing you with products that automate their operation.

The products of the Robot Automated Operations Solution look and act the same. All products talk to each other through the Solution's common component interface. This integration makes all the products very powerful, yet easy to learn and use. Using Robot/SAVE with our other products makes your investment in Robot/SAVE much more valuable.

Our product expertise has won us many awards from numerous publications. And, our customers have awarded us over 55,000 times with product purchases.

## Help/Systems' Commitment To Excellence

In 1992, Help/Systems became America's first ISO 9001-certified software company and has maintained this standard of quality ever since. This international quality standard covers software design, development, marketing,

product support, and training. Help/Systems demonstrated that it has an excellent software quality assurance system in place, full management commitment to quality, and a well-trained and motivated staff. This certification applies to all company procedures for ensuring customer satisfaction—from those done by the receptionist to the duties of the president.

## Learn Robot/SAVE From The Experts

Help/Systems offers regular training on Robot/SAVE as part of our Educational and Consulting Services. Our ISO 9001-certified training teaches you strategies and techniques for backing up your company's important data. You learn how to set up Robot/SAVE using Robot/GUIDE, execute a backup, manage your scratch pool, work with automated media libraries (AMLs), set up a data center, resolve errors, run unattended restricted state backups, and much, much more.

Learn more about Robot/SAVE and the other products of the Robot Automated Operations Solution. Detailed class descriptions and schedules are available on our Web site at [www.helpsystems.com/education](http://www.helpsystems.com/education).

## Build A Solution Set To Tackle Any Automation Problem

When you buy any Robot product from Help/Systems, you buy the opportunity to integrate other Robot products to create an automation solution set that solves your particular System i operations problems. You'll save money and enjoy all the benefits of automated operations by simplifying tasks, eliminating bottlenecks, speeding processing, reducing errors, and satisfying SOX auditors. Here are just a few of the problems you can resolve using Robot/SAVE as part of an automation solution set.

### Automate Restricted State Backups—Robot/SAVE, Robot/SCHEDULE®, and Robot/ALERT®

Automation and restricted state used to be a contradiction in terms. With Robot/SAVE's Restricted State Utility (RSU), you can perform unattended restricted state saves, such as \*NONSYS and \*SAVSYS, as easily as your daily backups. Robot/SAVE includes a seamless interface to Robot/SCHEDULE, our optional job scheduler and batch management system. Just set up your Robot/SAVE restricted state backup and let Robot/SCHEDULE take over. It runs your backup, just as you would. If a problem occurs, such as a tape drive failure, Robot/SCHEDULE uses Robot/ALERT, our system event notification software, to send a text, e-mail, or pager message to the on-call operator. Restricted state operations will never be a problem when you implement this Robot/SAVE solution set.

### Automate All Your Backups—Robot/SAVE, Robot/CLIENT®, Robot/REPORTS®, and Robot/SCHEDULE

Robot/SAVE doesn't just back up your System i; it works with Robot/CLIENT, the server operations event manager, to back up and restore PC files and directories. You schedule your PCs and servers for backup just as you do your System i libraries and files. You use the same

procedures, tape drives, object archive, and media management. Centralized control of all your backups means you can be sure your company is protected from disaster. If disaster does strike, users can locate and restore their files directly from their PC. The Robot/SAVE interface to Robot/CLIENT means you can protect your PCs and servers as reliably as your System i.

When you need to back up your archived reports, combine Robot/SAVE with Robot/REPORTS, our report management system that automates the operator duties of report bursting, distribution, bundling, archiving, and viewing. Using a special backup class, Robot/SAVE can back up your Robot/REPORTS archive exactly as you wish, providing flexibility to your archiving strategy. To make automating your backups even easier, add Robot/SCHEDULE and create the exact backup schedule your business requires.

### Automate Tape Management Across Your Network—Robot/SAVE, Robot/NETWORK®, and Robot/SCHEDULE

When you have multiple systems, tape management can be a nightmare. Robot/SAVE's built-in tape management system handles all your tape management needs, whether you have a single System i or an entire data center. Robot/SAVE works with Robot/NETWORK, our network management software, to coordinate information from each system in the data center. Your operators don't have to worry about manually tracking which tapes are assigned to which system, eliminating a huge source of potential error. In addition, Robot/SAVE can send completion statuses to the Robot/NETWORK Status Center, giving you the big picture of your data center operations. Add Robot/SCHEDULE and you can schedule all your media volume reports to run on a regular basis, so you have detailed information about your tape management requirements.







**help/systems**<sup>INC.</sup>

*World's Leader in System i  
Automated Operations*

6533 Flying Cloud Dr., Suite 200  
Eden Prairie, MN 55344  
Phone 952/933-0609  
Fax 952/933-8153  
[www.helpsystems.com](http://www.helpsystems.com)



*America's First ISO 9001  
Software Company.*