

Backup & Recovery Manager Suite

Restore data access.

Backup & Recovery Manager Suite provides assurance that data assets required for an organization to be resilient are protected and recoverable in any situation.

Highlights

- Simplify and improve the accuracy of data discovery
- Optimize resources by identifying mission-critical data
- Centralize visibility into the entire backup environment
- Eliminate the risk of missing files needed for recovery
- Demonstrate compliance with internal or government regulations

Ensuring that your business is resilient to every type of outage can be a daunting task. With **Backup & Recovery Manager Suite**, you can quickly restore access to data and meet your demands for continuous data availability.

Accidents happen

Over 50 percent of companies surveyed by Deloitte & Touche admitted to experiencing data loss within the last 12 months. Sooner or later, your organization may be affected—and if the data isn't discovered and protected, it can't be recovered. Whether you need to recover one data set due to a 'fat finger' or an entire application due to corruption, in most cases, the data will need to be recovered locally. By preparing for both local and disaster recovery, you can mitigate the risk of financial losses due to missing or corrupted data.

Easily discover application data assets that are critical to business survival

Identifying the data that makes up an application—and the data that is required by an application to recover—is one of the most difficult and time-consuming tasks a programmer performs.

An application may only be a single entity or it could be a combination of interrelated applications. Regardless of how an application is structured, if a critical application is dependent upon input from a non-critical application the non-critical application automatically becomes critical.

Recover data from a centralized location with one simple process

Every second counts during a recovery. Whether you are exercising your recovery plans or are involved in an actual recovery, save time by using an ISPF interface to recover business-critical data from a central point.

Determine data set criticality with an application-wide view

A defined application is automatically analyzed using information obtained from several sources. From this analysis, a picture of the application is constructed, providing an overview that is most often the central source for recovery planning information. The picture quickly produces a file that contains a complete list of just those data sets required to successfully restore the application at the recovery site.

Automatically track changes

Most applications are constantly changing. With automation, the application is continually evaluated, capturing any changes, such as when data sets are added or removed, when their criticality changes and when new jobs are added to the application.

Automate backup of batch applications

Batch applications typically do not backup all of the datasets required for off-site recovery, and are rarely backed up at the same point-in-time. These backups may be useful to restart or rerun an application—but you'll need a more complete backup to recover and process forward into the next cycle. For successful recoveries, automatically backup all application data. A backup of data on tape and migrated by DFSMSHsm can also be made concurrently, if desired.

Eliminate redundant backups

Large data sets or VSAM databases that change infrequently may be used as input to one or more applications. As a result, they become critical and may be backed up several times a day. These redundant backups can waste valuable resources, and increase backup and recovery times. By quickly and easily skipping backup for these data sets, you can achieve successful recoveries with fewer resources.

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For DFSMSShsm ABARS users, implementing ABARS incremental backups is the answer. You can easily keep track of data that has not been changed from the BASE to the last incremental backup. The "base + incremental cycles" option is designed to match your daily, weekly, monthly, quarterly, and annual processing cycles.

Take advantage of powerful filtering options

With filters, you can exclude data sets you don't want every application to back up, or that you want to back up collectively instead of in multiple applications. These three levels of filters are easily set up during implementation.

Three levels of filtering

Universal: Set once during installation and automatically applied to all defined applications. These filters cannot be overridden by individual applications, preventing system or other files being recovered from unanticipated sources and reducing file contention during backup and recovery.

Global: Provide useful groupings of common data sets in a simple package. Global filters can be used or overridden as required by the circumstances of a specific application.

Local: Unique for each defined application. Local filters can force unreferenced data to be included in the backup, such as an application's PDS or data a DBA needs for recovery tasks. These filters can also cause data such as backups, reports or other output-only data sets to be excluded.

Simplify and Centralize Recovery

You can easily find data set backups without knowledge of the backups. Automatically build recovery jobs, complete with data set and VOLSER information, for recovery readiness.

Easily restore only the data needed

With powerful filtering and masking, restore just the data needed by displaying backups for only those data sets that match a mask. For example, using a mask of 'PAY.**', will exclude all other data in the backup. Recovery can be driven from the panel regardless of the backup method used.

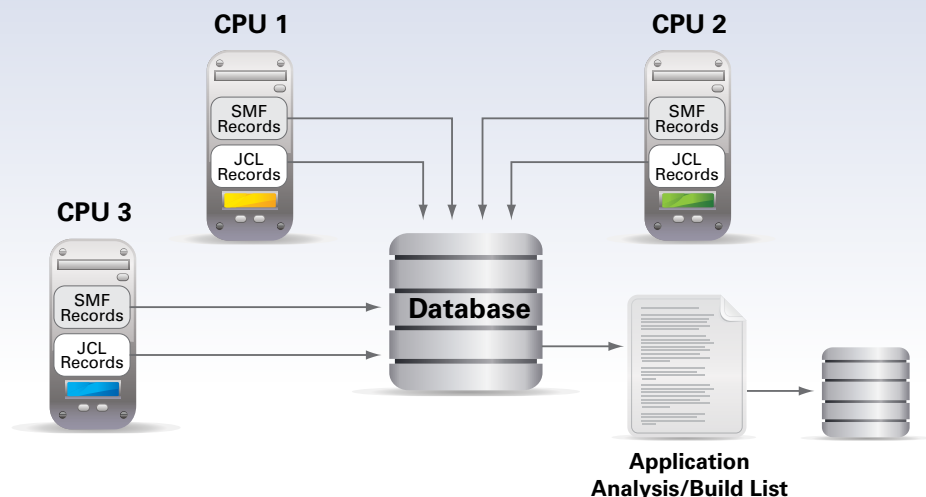
Recover critical data first

Group data backups can be prioritized according to business priorities for a tiered recovery. Organize the backups into logical groupings. When recovery for the group is selected, all of the data included in that group is submitted for recovery.

Critical Data Identification

Real-Time Selection Process (RSP)

Started tasks run to continuously collect data.



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Product Specifications

- Operating System Environment: z/OS release 1.4 or higher
- TSO/E, DFSMS 1.5 or higher, ISPF 5 or higher
- JES2 or JES3 at any supported level

Prioritizing recovery provides the following advantages:

- Ensure that anyone can recover the data based on business needs
- Recover all data belonging to the application and/or all interfacing applications
- Recover all data on disk and tape, even data from DFSMSHsm migration

Recover only the most current copy

Most production applications share data, which can be critical to more than one application.

During recovery, each data set name is compared to a file containing a list of the most current backups. If the backup being used for recovery is the most current, it will be recovered. If the backup is not the most current, the recovery of that data set is skipped and a notation is made.

When recovery is complete, you can begin the execution of batch cycles, with the knowledge that the correct data inputs are being used.

Incremental recovery

Automate recovery of the application's cycles to enable processing forward into the next cycle.

Managing the processing cycles more efficiently means that recovery of the daily, weekly, monthly, quarterly, or annual cycles can be accomplished with just one recover command.

If you select to recover the daily incremental cycle, automatic recovery from the base to the last incremental backup will occur.

Centrally view and report on backup information

An ISPF interface provides rapid and effective access to a wide variety of useful information:

- Discover unprotected data.
- Optimize mirrored resources.
- Locate all of the desired backups.
- Determine what got backed up, when, and how.
- Determine the number of available backup copies.
- Provide validation that critical data has a backup.

Prove that you are recoverable

Survive a data backup audit by providing critical data asset lists:

- Prove compliance with federal regulations or internal audits
- Ensure that backups are retained for the appropriate amount of time.

Find out more

Visit mainstar.rocketsoftware.com for technical articles and additional information on how Backup & Recovery Manager Suite and our other innovative data access solutions can help your installation. To arrange a personal briefing or a free trial, contact us at sales@mainstar.com



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Feature	What It Does	Benefit
Inventory Data Set with ISPF interface	Integrates all backup and recovery information and simplifies research, reporting, and planning. Tracks and centralizes z/OS backups without JCL changes.	Reduce the time and level of expertise required to create accurate backups and achieve successful recoveries.
Identification of critical data	Identifies all application data sets needed for backups, eliminating manual upkeep of business-critical data set lists. Discovers data sets as they are used, not by mask every day. Refreshes backup list as data changes.	Diminish the risk of missing critical data sets at the recovery site.
Automatic backups of critical data	Backs up exactly the data you need for a successful recovery.	Decrease costs and increase the effectiveness of your backups.
Backup and restore data by application cycle	Automates data identification and backups by application cycle.	Restore applications based on your Recovery Time Objective (RTO) requirements.
Powerful Filtering Capabilities	Provides backup customization, so you can exclude data sets you don't want applications to back up or that you want to back up collectively instead of in multiple applications.	Ensure that critical data sets are backed up.
Identification of what isn't backed up	Compares what was discovered to what was backed up.	Ensure that critical data sets are backed up.
Identification and backup of tape or migrated data	Provides a low-cost alternative for data that doesn't warrant mirroring.	Reduce the cost of DASD remote mirroring.
Extensive backup support	Centralizes backup information produced by backup utilities.	Simplify the recovery of data sets, applications, or data for reporting.
Incremental backup support	Only backs up what has changed since last backup.	Reduces backup time 40 to 60 percent.
Fast data set search	Find all possible dataset backups quickly for restore.	Achieve faster recoveries.
Identify application overlaps	Identify data sets backed up by more than one application or multiple times.	Avoid wasting resources by redundant backups.

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