

Release Announcement for 3.101 of:

Mainstar®: Backup & Recovery Manager

New Enhancements

- Dynamic Backup / Reorganization Facility
- DFSMSdss Dataset Restore Support
- DFSMSHsm Incremental - Dataset Backup Display and Recover Capability
- FullRename Feature - GDG Rename Support
- Disaster Recovery Report
- RACF Functions to Support Primary and Line Commands

Dynamic Backup / Reorganization Facility

The Dynamic Backup / Reorganization facility allows the Backup & Recovery Manager Inventory Dataset to be backed up, or reorganized, without stopping the product or product programs. This functionality only applies to documented VSAM datasets used by Mainstar products.

Dynamic Backup (BACKUP) Function

- Ensures a clean backup of the Backup & Recovery Manager Inventory Dataset while Backup & Recovery Manager programs are executing.
- Temporarily pauses access to the Backup & Recovery Manager Inventory Dataset by Backup & Recovery Manager programs, until the backup is finished.

A backup of the Backup & Recovery Manager Inventory Dataset can result in a Backup & Recovery Manager program failing, because the backup has an enqueue on the Inventory Dataset; therefore, preventing the executing program from opening and updating the Inventory Dataset. Dynamic Backup solves this dilemma.

Dynamic Reorganization (REORG) Function

- Reorganizes the Backup & Recovery Manager Inventory Dataset.
- Temporarily pauses access to the Backup & Recovery Manager Inventory Dataset by Backup & Recovery Manager programs, until the reorganization is finished.

A reorganization of the Backup & Recovery Manager Inventory Dataset can be difficult to schedule due to processing windows. The more often a dataset is reorganized, the smaller it will be, and the shorter the backup and reorganization time. Dynamic Reorganization also solves this dilemma.

DFSMSdss Dataset Restore Support

DFSMSdss Dataset Restore is an optional feature to use DFSMSdss instead of ABARS, on selected primary datasets and/or all primary dataset restores. Unusual conditions during recovery can be handled by controlling allocation specifics, such as:

- Direct an SMS dataset to a specific volser using guaranteed space.
- Bypass SMS ACS routines and assign different classes.
- Direct an SMS managed dataset to a non-SMS volume.
- Bypass TMS.

Users may want to direct SMS datasets to handle specific situations during recovery.

For example: The SMS ACS is set up to direct dataset X to a specific pool. The pool is now full and dataset X is very large. You may want to direct dataset X to a specific volume but still want it to be SMS managed. If the STORCLAS supports guaranteed space, the STORCLAS parameter can be used to direct dataset X to a specific volser.

If you have little experience with DFSMSdss - it's no problem! The help panel shows specific DFSMSdss coded examples to show you which keywords do what.

DFSMSShsm Incremental - Dataset Backup Display and Recover Capability

The DFSMSShsm Incremental - Dataset Backup Display and Recover capability is an optional feature that allows Storage Administrators and users to:

- Find out what backups HSM has of a dataset.
- Select the generation you want.
- Recover datasets without knowledge of the DFSMSShsm syntax.
- Perform advanced functions (for HSM authorized administrators only).

```
BRM - HRECOVER Options

Dataset  BRMI.IVP.CNTL
GEN      000

Specify Newname (if desired - quotes not required)
=> _____

Replace dataset if already cataloged => N      Y or N

For System Administrator only:
Use HSEND Command => N                        Y or N
Force to NON-SMS  => _                        Y or N
ToVolume          => _____              Y or N
Unit              => _____              Y or N
```

FullRename Feature - GDG Rename Support

Are you using the FullRename facility and need to rename generation datasets? Now you can! Backup & Recovery Manager provides several options for recovering GDS datasets while renaming them.

Disaster Recovery Report

The Disaster Recovery Report displays a summary of space information, allowing you to:

- Know your disaster requirements.
- Contract for what you need.

PAGE 1		BRM - DISASTER RECOVERY SPACE SUMMARY (V3R101)			
DSN TYPE	# DSNS	ALLOC	SPACE	USED	SPACE
Primary	6256	1.15	Gb	860.87	Mb
ML1	1144	758.66	Mb	176.24	Mb
ML2	24	3.40	Mb	1.23	Mb
User Tape	350				
Total	7774	1.89	Gb	1.01	Gb

RACF Functions to Support Primary and Line Commands

Backup & Recovery Manager provides the ability to control user access to command execution through FACILITY class profiles that are recognized by RACF. Specific Primary and Line Commands can optionally be protected by creating RACF profiles. If no RACF protections are specified, then ALL access is granted to all options. Other functions are covered by your current RACF environment.

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