



An innovative tool for creating point-in-time copies for disaster recovery or volume copies, that initiates the copy, eliminates pairing failures, supports withdraw functions for DSS and non-DSS backups, and prevents collisions.

Mainstar[®]: Mirroring Solutions[™] /Copy Services Manager[™]

No longer fall victim to point-in-time pairing rules, existing relationships, or not knowing when to withdraw volume relationships.

You need to make disaster backups or other point-in-time copies using FlashCopy[™] for ESS or SnapShot[™] for RVA DASD. That's easy enough, but...

How do you prevent pairing failures that result in a DFSMSdss backup the slow way – which could take hours to complete?

How do you maintain pairing rules when applications expand to candidate volumes?

How do you know if other relationships exist that will fail your FlashCopy or SnapShot copy?

How do you withdraw a FlashCopy FCNOCOPY if you want to use a non-DSS backup tool?

THE MIRRORING SOLUTION

The answer is, Mirroring Solutions/Copy Services Manager (MS/CSM). MS/CSM, the second of Mainstar's Mirroring Solutions product suite, is your ticket! MS/CSM provides a user friendly solution to eliminate FlashCopy and SnapShot failures for disaster recovery or other copy processes.

Mirroring Solutions/Copy Services Manager:

- Initiates ESS FlashCopy and RVA SnapShot with more convenient volume specifications than DSS.
- Assures that conflicting volume relationships do not exist.
- Provides a Storage Group option to eliminate pairing failures.
- Checks completion of FlashCopy volume copies so another initiation can occur.
- Withdraws FlashCopy FCNOCOPY relationships when the backup is done, for either DSS or non-DSS.

ELIMINATE HOURS VS. SECONDS

Don't take a chance that your FlashCopy or SnapShot will turn into a traditional, slow backup because volume pairs don't meet the requirements. MS/CSM automatically fails the process so there are no unexpected delays.

FLASHCOPY OR SNAPSHOT ENTIRE SMS STORAGE GROUPS

If you have data that spans volumes, you want to ensure that all related volumes are processed together, so pieces of data aren't orphaned by not being copied – right? Now you can set up and specify volumes by SMS Storage Group to minimize setup errors. By specifying SMS Storage Groups, the maintenance effort to ensure all desired volumes are copied, can be reduced or eliminated entirely. You can set up Storage Groups to ensure that source volumes occupy no more than half of an ESS LSS or RVA subsystem, so that an equal number of volumes are available as paired target volumes. Then, specify the Storage Group option. As applications expand to candidate volumes, the Storage Group option ensures no failures occur as a result.

POINT-IN-TIME VOLUME COPIES MADE EASY WITH AUTOMATIC PAIRING

Don't want to worry about FlashCopy or SnapShot failures because volume pairs don't meet the requirements? MS/CSM automatically pairs the volumes by manufacturer specific requirements.

PREVENT COLLISIONS WITH OTHER FLASHCOPIES – KNOW WHEN THEY ARE DONE!

Need more than one copy, but you know FlashCopy will fail if another relationship exists? You'll be able to tell when a relationship is done when you use MS/CSM to wait for the relationship to end!

WITHDRAWING FLASHCOPIES

FlashCopy using DSS FCNOCOPY maintains a PIT target volume image without copying tracks that remain unchanged. Therefore, you can make a backup copy of what appears to be an instantaneous copy of a volume without waiting or incurring unnecessary subsystem activity. However, when finished, it is desirable to withdraw the relationship to conserve subsystem resources. For those not using DSS DUMP with the FCWITHDRAW option, MS/CSM is your solution to conveniently withdraw FlashCopy relationships.

MAKE DISASTER BACKUPS OR VOLUME COPIES SIMPLE

Mirroring Solutions/Copy Services Manager is the solution for easy, maintenance-free, conflict-free, Fast Replicate copies using FlashCopy or SnapShot. Let MS/CSM do the work for you.

Eliminate common problems of pairing rules, specifying specific volumes, collisions with existing relationships, and issuing withdraws when DSS is not the backup tool - MS/CSM ENSURES SUCCESS!

Now that there's a solution for disaster recovery backups and volume copies - your options are UNLIMITED! So don't waste any more of your time – trial Mirroring Solutions/Copy Services Manager today, and find out for yourself how easy and fast FlashCopy and SnapShot can be!

Mainstar Software Corporation has been serving the storage and recovery needs of major organizations for over 20 years.

Careful attention to our customers' needs, progressive technology, and in-depth technical knowledge are all key elements in our success.

Mainstar offers software, consulting, and training solutions. Please call for more information.

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