

innovation

FDRINSTANT



StorageTek

IBM

EMC

Hitachi

FDRINSTANT™...

INNOVATION INSTANT SOLUTIONS

Are you a user of one or more of the DASD Storage Subsystems?

- EMC with TimeFinder
- Hitachi with ShadowImage
- IBM Shark DASD with FlashCopy
- StorageTek with SnapShot Copy

Did you know that FDRINSTANT allows you to take non-disruptive backups of the offline volumes created by these advanced DASD systems?

That means...No More Problems With The Backup Window!

- No need to shut down CICS/TSO online services for several hours while you take your backups...And no need to risk taking "fuzzy" backups of open datasets!
- No more serious delays in the start up of your overnight batch work, as you wait for your nightly backups to complete...And no more problems with backup "over runs" delaying the start up of online services!
- No need to worry about accommodating additional backups into an already tight backup window...And no more sleepless nights, worrying about how the latest long-running application will swallow up another hour of your backup window!

Non-Disruptive Full-Volume Backup

Example of how to perform a non-disruptive full-volume backup with FlashCopy:

```
//FCOPY EXEC PGM=FDRFLASH
```

```
FCOPY TYPE=FDR
```

← Create the Flash Volume

```
MOUNT VOL=PROD01,FLASHUNIT=01FA
```

```
//BACKUP EXEC PGM=FDR,REGION=OM,COND=(0,NE,FCOPY)
```

```
//DISK1 DD UNIT=SYSALLDA,VOL=PROD01,DISP=OLD
```

```
//TAPE1 DD DSN=BACKUP.VPROD01(+1),UNIT=TAPE,DISP=(,CATLG)
```

```
//SYSIN DD *
```

```
DUMP TYPE=FDR,FCOPY=(USE,REL)
```

← Backup the offline FLASHed volume

Also Full Support for ABR Full Volume and Incremental Backups



StorageTek with SnapShot Copy



IBM Shark DASD with FlashCopy



EMC with TimeFinder

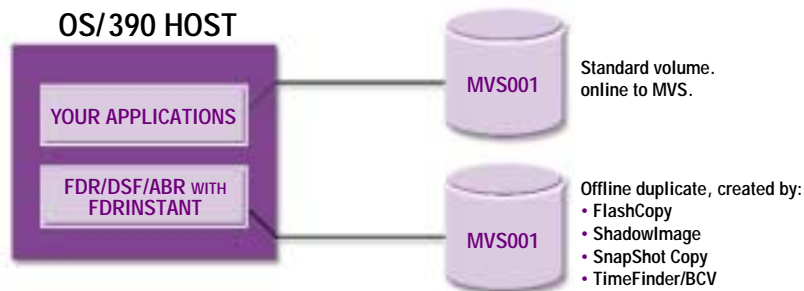


Hitachi with ShadowImage

Sounds too Good to be True? Not at All!

FDRINSTANT simply takes **full advantage** of the latest advanced hardware features in today's disk subsystem, such as TimeFinder/BCV, SnapShot Copy, ShadowImage and FlashCopy.

Although their methods of implementation differ, all these hardware features share the same common ability to create duplicate volumes, while your applications (CICS, TSO, Batch, Etc.) continue to use the real data on the original online volumes.



Why Can't I Just Use My Standard Backup Facilities?

Without FDRINSTANT, it is extremely difficult to take full advantage of the potential benefits provided by the presence of the *offline* duplicate volumes.

For example, in the diagram above, to backup the offline copy of MVS001 with standard backup utilities, you would need to bring it online to your MVS system. Before doing that, you would have to alter the name (volser) of the volume, because MVS does not allow two disks with the same volser to be online at the same time.

This then presents a further set of problems because renaming a volume destroys the complex connections between the VTOC/VVDS on the volume and the MVS ICF Cataloging system.

FDRINSTANT does **not** require the duplicate volume be brought online. It can access it across the S/390 channel while it remains *offline* to MVS, thus eliminating all of the aforementioned problems with duplicate volsers and the potential for VTOC/VVDS and catalog discrepancies!

For More Information...

on an INSTANT SOLUTION...FDRINSTANT or any other Innovation products call 973-890-7300, e-mail sales@fdrinnovation.com or visit <http://www.innovationdp.fdr.com>

FREE 90-Day No-Obligation Trial!



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