

# FDRINSTANT INSTANT & CONSISTENT BACKUPS

## z/OS Storage Management

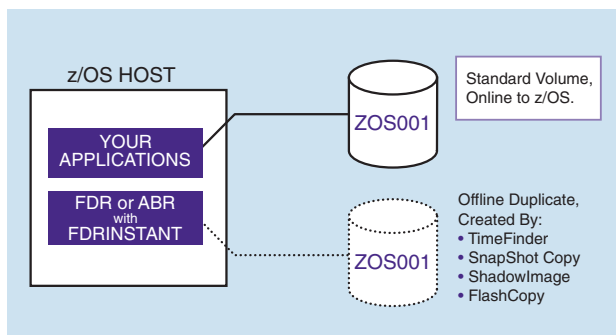
*With companies now operating near 24x7 operations, the disruption caused by taking regular daily backups (however quickly and efficiently those backups run) is no longer tolerable.*

*What's required is a mechanism that continues to allow backups to be taken as frequently as possible, but with the minimum of disruption to the applications and users that access the data being backed up...*

### "Instant" Backups

FDRINSTANT drastically reduces the interruption and application downtime usually associated with taking regular backups.

FDRINSTANT creates a "managed" (either a full or incremental) backup of your data from offline point-in-time images, while the original "live" data remains online and available for use by your users and applications.



### Key Benefits

- Backup your z/OS data cleanly, with minimal disruption to your users and applications.
- Hot DB2 D.R. backups (see below), with support for Log Suspend and Consistent Backup.
- Target specific application downtime or reduce your entire backup window.
- Full volume or data set restores as per a normal backup.

### Multi-Platform Support

FDRINSTANT provides a common interface to vendor hardware replication features including:

#### EMC TimeFinder

- TimeFinder (Mirror/Clone/Snap)
- TimeFinder/Consistency Group
- FlashCopy support

#### HITACHI ShadowImage

- Quick Split
- Consistent Split
- FlashCopy support

#### IBM FlashCopy

- FlashCopy (Version 2 support)
- FlashCopy Consistency Group
- FlashCopy SE
- Incremental FlashCopy

#### SUN STORAGE TEK SnapShot Copy

### DB2 "Hot" Backups

Interfacing FDRINSTANT with DB2 Log suspend allows you to backup DB2 databases with the minimum of disruption and without having to close them down. The flexible restore process means that you can recover anything from a single tablespace to an entire DB2 system.

# FDRINSTANT

## INSTANT & CONSISTENT BACKUPS

### “Instant” Backups

By utilising the hardware replication features listed on the front of this sheet, FDRINSTANT drastically reduces the amount of downtime and service interruption usually associated with taking backups or copying data.

### FDRINSTANT Workflow

A typical FDRINSTANT backup would involve the following steps:

- Step1:** Quiesce your applications.
- Step2:** Create point-in-time, offline duplicates of your DASD volumes (see main picture). This usually takes just a few seconds or minutes.
- Step3:** Re-start your applications.
- Step4:** Initiate your FDRINSTANT backups against the offline duplicates while your applications continue to use the online volumes.

This process can reduce to *just a few minutes* the “downtime” normally associated with data backup.

### User Quote

*“FDRINSTANT allows us to take a full daily backup with FDRABR of our entire DASD subsystem with just a 5-minute interruption to usual services...”*

### Consistent Backup

Consistent point-in-time operations, available in some hardware replication features, allow the replication of multiple disks at a single consistent point-in-time. This ensures their I/O integrity by preventing applications *such as DB2* and other similar applications from issuing dependent writes during the split/snap process.

Once the group of offline duplicate volumes has been detached at a consistent point, FDRINSTANT can then take a “consistent backup” of your data from that group of offline volumes.

FDRINSTANT is a cost-option to the FDR DASD Management Family, and works with FDR (Full Volume & Data Set Backup), ABR (Incremental Backup) and FDRCOPY (Data Set Copy).

### Faster Restores

Data can be easily restored from a backup created by FDRINSTANT, just as if the backup had been taken from an original online volume.

And if the offline point-in-time image of the volume is still available, it can be used as the source of the restore.

This can drastically reduce the amount of time required to restore your data, as the data can be restored from within the DASD subsystem itself, rather than from the backup medium (e.g. tape).

**Want to Know More About FDRINSTANT?** For a No-Obligation FREE Trial or to request a FREE Concepts & Facilities Guide, ask your local sales representative or visit: <http://www.innovationdp.fdr.com>



**CORPORATE HEADQUARTERS:** 275 Paterson Ave., Little Falls, NJ 07424 • (973) 890-7300 • Fax: (973) 890-7147  
E-mail: [support@fdrinnovation.com](mailto:support@fdrinnovation.com) • [sales@fdrinnovation.com](mailto:sales@fdrinnovation.com) • <http://www.innovationdp.fdr.com>

<b>EUROPEAN OFFICES:</b>	FRANCE 01-49-69-94-02	GERMANY 089-489-0210	NETHERLANDS 036-534-1660	UNITED KINGDOM 0208-905-1266	NORDIC COUNTRIES +31-36-534-1660
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