

FDRINC

VOLUME INCREMENTAL BACKUP

z/OS Storage Management

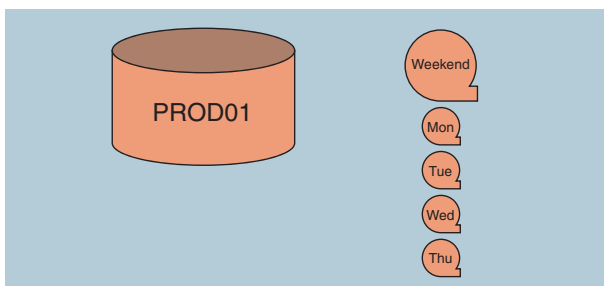
The FDRINC Volume Incremental backup system allows you to take frequent “managed” backups of your z/OS DASD volumes without having to backup every data set every day.

The savings, when compared to a full backup, can vary depending on how much data is updated each day (the FDRQUERY reporting tool can provide a good estimate of the expected savings). Incremental backup typically saves around 50-70% in backup elapsed time and z/OS resources (CPU, EXCPs). Reducing your backup times may also help to reduce application downtime, for example if the applications have to be taken down while the backups are being taken.

Volume Incremental Backups

A typical FDRINC Volume Incremental Backup system consists of:

- Full-volume backups (usually taken once per week) where all data on a volume is backed up.
- Incremental backups (usually taken once per day) where only the changed data sets are backed up.

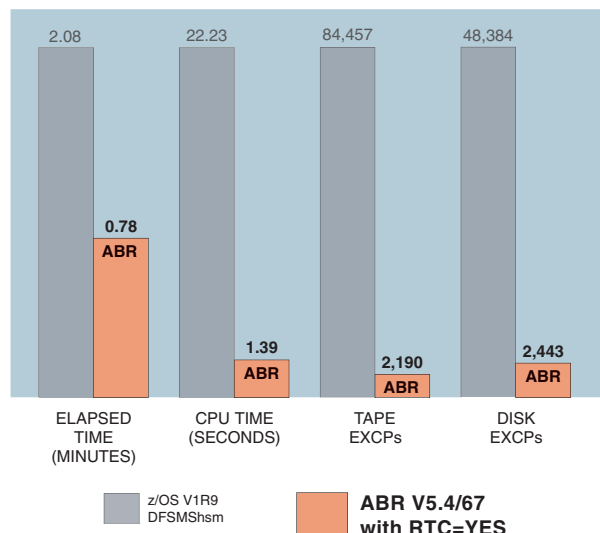


Key Benefits

- Reduce your backup elapsed times...by only backing up the data sets that have changed since the last backup.
- Reduce your z/OS resource usage, such as CPU, I/Os and Tape, by reducing the amount of data you backup each day.
- Reduce your application downtime by ensuring that your backups run as fast as possible, with the minimum disruption to users.
- Further reduce application downtime with FDRINSTANT (see separate sheet).
- Improve your restore facilities with automated dataset and full-volume restores (see over).

Performance

The FDRINC Volume Incremental Backup system consistently outperforms its competitors, as seen in this recent test where FDRINC used 90% less CPU and only 50% of the elapsed time compared to DFSMSHsm:



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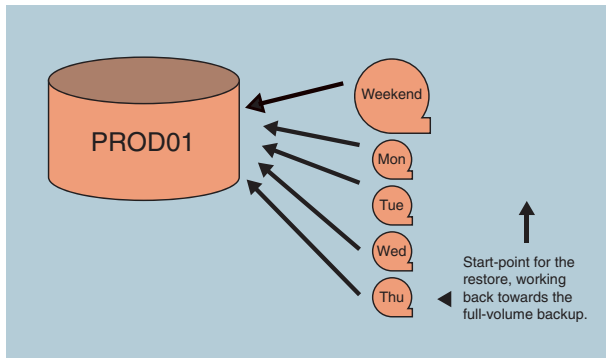
VOLUME INCREMENTAL BACKUP



Managed Backups, Flexible Restores

The volume backups created by FDRINC are fully “managed”. This means they are recorded and tracked by an automated recording mechanism. From those managed backups, either the whole volume or individual data sets can be easily restored.

- **Restoring individual data sets...**The most recent copy of a data set can be restored by specifying just the data set name. Additional options are available to allow older copies of the data set to be restored, if required.
- **Recreating entire DASD volumes...**If one or more volumes have been lost, perhaps due to hardware problems or as a consequence of a disaster, these volumes can be automatically recovered from a combination of their full and incremental backups...



The FDRINC volume incremental backup system is the ideal tool to use if you need a comprehensive backup of some or all of your z/OS DASD volumes. Those backups can be used to provide both home-site restores and Disaster Recovery protection.

Related Modules

The following modules within the FDR FAMILY can be used alongside the FDRINC Volume Incremental Backup system to provide additional performance and functionality:

- **FDRINSTANT**
Retain near 24/7 data availability for your applications, but still take regular FDRINC full and incremental backups.
- **FDRCRYPT**
Protect your FDRINC full and incremental backups against unauthorised access by encrypting the backup data.
- **FDRDRP**
Enhance your disaster recovery procedures by reducing tape contention.

User Quotes

“With the FDRINC Volume Incremental backup system, we can now recover our data well within the timeframe allowed, and we can easily bring it back to any point up to the most recent backup...”

“The unthinkable occurred one day – just before taking our full volume backups, we were forced to evacuate our computer center. Within hours we were able to recover hundreds of DASD volumes at our disaster site from ABR incremental backups. ABR recovered the volumes as if we had done full backups the night before.”

Want to Know More About FDRINC? 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>



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