



Mainstar Database Backup and Recovery for IMS

Simplify IMS backup, recovery and disaster recovery using a system level backup methodology

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Mainstar Database Backup and Recovery for IMS is a storage-aware backup and recovery solution that integrates storage processor fast-replication facilities with IMS backup and recovery operations to allow instantaneous backups, reduce recovery time and simplify disaster recovery procedures while using less CPU, I/O, and storage resources.

- ▶ Perform IMS system level backups instantaneously with no impact to the business
- ▶ Fast restore and parallel recovery reduces recovery time and complexity
- ▶ Transforms disaster recovery into a disaster restart process reducing RTO
- ▶ Significantly reduce costs by using less CPU and I/O resources
- ▶ Reduce storage costs by utilizing one backup for multiple purposes
- ▶ Eliminate backup windows and extend batch processing windows
- ▶ Achieve successful recoveries – every time – by performing backup validation
- ▶ Managed recovery processes provide IMS recovery tool integration
- ▶ Uses a sophisticated ISPF interface and meta-data repository to manage backup, recovery, and disaster recovery processing
- ▶ Perform IMS system cloning operations from a system level backup

IMS is the foundation database for many enterprise applications that manage today's business processes. Its performance, scalability and high availability features provide the data management support required for 24x7 availability requirements. IMS systems require special consideration when planning and implementing backup, recovery, and disaster recovery strategies; fast, non-intrusive backup and recovery solutions are required to enable high availability for these critical database management systems.

Mainstar Database Backup and Recovery for IMS (DBR for IMS) is a storage-aware backup and recovery solution that integrates storage system fast-replication facilities with IMS backup and recovery operations. DBR for IMS's storage-aware backup processes allow data to be backed up instantly without affecting running applications. IMS recovery is performed quickly using storage-based fast-replication facilities to restore backups while invoking IMS recovery processes in parallel to reduce overall recovery time and minimizes application down time.

DBR for IMS facilitates an IMS system level backup (SLB) methodology. It coordinates IMS system and storage-based fast-replication facilities to backup IMS systems fast and effectively without using host CPU and I/O resources. DBR for IMS generated system level backups can be used for IMS system recovery, application recovery, database recovery, and for IMS disaster recovery purposes. Using an effective DBR for IMS system level backup methodology allows IMS system level backups to be used for multiple recovery purposes saving CPU, I/O, and storage resources required to create multiple backups for specific uses.

Find Out More:

Visit www.mainstar.com for technical articles and additional information on how DBR and Mainstar's other innovative data access solutions can help you. To arrange a personal briefing or a free trial, contact us at product_info@mainstar.com.

Feature	Function	Benefit
IMS system level backup	Creates instant point-in-time IMS system level backups without affecting application availability.	Increases IMS system and application recovery.
Storage-aware	"Storage-aware" database utilities use storage processor fast-replication to copy the data.	Creates instant backups and reduces CPU and I/O costs
Storage blades	Provide support for IBM, EMC, and HDS storage systems and fast replication processes.	Supports all storage vendor hardware and fast-replication.
Meta-data repository	Specialized meta-data repository used to correlate IMS storage volumes with backup volumes and recovery information.	Allows fast IMS restore and parallel recovery operations and allows system backups to be used for system, application, or database recovery.
Multi-purpose system level backup	Creates a system level backup that can be used for system recovery, application recovery, database recovery, or disaster recovery using disaster restart procedures.	Reduces backup costs by utilizing one backup for multiple purposes
IMS discovery, analysis, and configuration	Discovers IMS systems and provides configuration advice for data set layouts.	Identifies IMS data set layout and guides IMS configurations to support a system level backup methodology that support recovery objectives.
Backup profiles	Defines backup type, fast replication usage, volume mappings, and retention period options needed to perform and record a system level backup.	Automatically perform accurate IMS backups on a regular schedule.
Validity checking	Automatically validates IMS backups are complete and can be used for recovery.	Uses IMS discovery to ensure backups are complete and IMS data can always be restored.
IMS recovery tool integration	Integrates IMS recovery tools into a DBR for IMS recovery management process.	Leverages IMS recovery tool investments while streamlining IMS recovery processes.
Partial IMS system backup	Provides the ability to backup and restore a subset of the DB2 system.	Provides backup flexibility and saves resources and costs.
Tape offload	Archives disk-based backups to tape or disk, including remote disk. Archive copies can be used for subsequent recoveries.	Reduces costs through effective storage hierarchy utilization.
IMS system recovery	Provide effective restore of an IMS system and recovers the system in parallel to help reduce recovery time and reduce application down time.	Simplify recovery operations and reduce recovery time to promote high availability.
IMS application and database recovery profiles	Performs application and object level recovery from a system backup.	Simplify backup and recovery operations and reduces the need for image copy backups.
IMS disaster recovery and restart	Transforms traditional IMS disaster recovery procedures into an IMS tape-based disaster restart process.	Simplifies IMS DR operations and reduces recovery time objectives.
Integration with other products	Integrates with Mainstar Clone and Rename for IMS (ICR) to allow IMS system cloning from an IMS system backup.	Allows cloning to be done without affecting production systems and can save storage.

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