

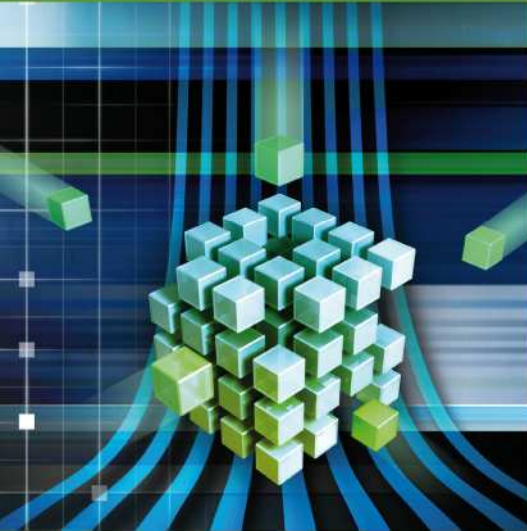
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Software Innovations GmbH



XRS for z/OS

Data Backup & Recovery Management



- Do you always know what was backed up, where and when?
- Are your backups readily available in case of a restore or disaster recovery?
- Are errors occurring during data recovery due to manual activities?
- Do you need an integrated solution for your data recovery management?

Data backup and recovery concepts are a critical factor in an IBM mainframe environment. Storage hardware failures are rarely the cause of downtime nowadays. Most problems are caused by application errors resulting in corrupted data. These errors must be corrected quickly and reliably.

The challenge is to optimise the data backup concepts, as well as the methods used to recover the data, in the highly complex application environment. Manual intervention during data recovery should be minimised in order to avoid unnecessary errors.

The methods used to recover data must be easy for all users to handle. Otherwise storage managers are generally required for data recovery. In case of a major failure, the implemented methods must also support the recovery process.

eXtended Recovery System for z/OS (XRS for z/OS) solves these problems and complements your data backup and recovery concept.

About improvIT Software Innovations

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improvIT Software Innovations offers unique system software for the IBM z/OS environment.

In the complex world of z/OS and UNIX system platforms the management, IT production, system maintenance and system architecture have to meet higher and higher requirements.

Thereby a difficult problem must be handled – the available staff has to increase the quantity turnover per time interval with additional pressure by IT costs and shorter and faster innovation cycles.

Our *innovative* products are based on long experiences in IT operations and offer solutions and concepts to first optimise maintenance and production processes *individual* adapted to our clients and furthermore to reduce IT costs.

Our software products are almost *independent* of the design of the system architecture and other installed software products.

Leistungsmerkmale Features

- Integrated backup and recovery management system
- XRS manages IBM DFSMSdss backups
- Central repository containing all backup information
- Individual data set and DASD recovery using logical or physical backups
- Physical volume recovery
- IBM DFSMShsm support
- Fast and easy generation of recovery jobs

Vorteile Advantages

- Drastic reduction in time required to recover data
- Support during disaster recovery
- Reduction in potential errors in recovery jobs
- Improved service quality
- Improved availability of your IT production due to reduced downtime in batch and online business
- Easy integration in your production environment

XRS for z/OS

Data Backup & Recovery Management

Accurate and efficient data recovery

The complexity of production environments and the amount of data being managed has increased dramatically. Standard tools used to manage data backup and recovery offer only very limited management functions.

Using DFSMSHsm:

- Precisely timed or event controlled backups in production processes cannot be guaranteed
- The maximum number of backup versions is limited

Using DFSMSdss:

- No centralised overview of all performed or available backups
- No standardised process, which can be used to easily restore the required data
- Requires an expert to recover data



The above problems drove the development of XRS for z/OS. XRS is an add-on product to the IBM software component DFSMSdss and can easily be integrated into existing backup and recovery procedures. It offers excellent backup management and a simple, effective, fast and reliable method of recovering data.

Additionally for a single view there is a user interface to DFSMSHsm created backups.

XRS collects information from logical and physical DFSMSdss backups. This information is used when data sets or whole disks need to be restored. Disk restores can be based on physical dumps or logical backups. XRS also supports system restores in a disaster recovery situation.

XRS for z/OS consists of a batch front-end interface, a wrapper, to DFSMSdss to collect all necessary information during backup processing. There is an easy to use ISPF management interface to search all the available backup information and generate recovery jobs on demand. In addition there is a view on DFSMSHsm owned backup versions of your production data. These backup versions can also be used for a recovery.

The collected backup information also forms the basis of our product XRS+. In addition to normal recovery activities with XRS+ you have facilities to analyse your production backup environment for optimisation purposes. Furthermore an audit of the usage of your production data can be done.

Use XRS for z/OS to create a secure and high quality data recovery environment and as a positive supplement to your system availability.

IBM, z/OS, ISPF, DFSMSdss, DFSMSHsm and DFSMSrmm are Trademarks or registered Trademark of International Business Machines Corporation.



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Highlights of XRS for z/OS

- Integrated backup and recovery management system for IBM DFSMSdss environments
- Central repository containing all backup information
- Accurate, effective and fast method of recovering data
- Easy-to-use ISPF interface with support for DFSMSHsm
- Interface to DFSMSrmm (or if required to other Tape Management Systems)
- Fast return on investment



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