



Catalog RecoveryPlus (CR+)

It's all about data access.

w w w . m a i n s t a r . c o m

CR+ provides an easy-to-use, flexible, and extremely powerful way to centrally manage and protect ICF catalogs – without impacting business applications.

- ▶ Eliminate or reduce single points of failure
- ▶ Protect against loss of access to data
- ▶ Recover access to business-critical information rapidly and reliably
- ▶ Centrally manage all ICF catalogs
- ▶ Support business resiliency initiatives
- ▶ Comply with government and industry regulations

Because ICF catalogs are the key control structures that provide access to business-critical data, ensuring their integrity and availability is of paramount importance. Catalog RecoveryPlus™ (CR+) provides the powerful features you need for easy, effective ICF catalog management and safe, reliable backup and recovery.

Maintain ICF catalog structural integrity

Keep your operations running while protecting your environment by proactively analyzing, isolating, and resolving issues before they become major problems.

Maximize data protection and accessibility

A catalog protected by CR+ supports continuous high-availability of mission-critical data and systems, no matter how large the enterprise.

Centrally manage all catalogs

Improve effectiveness and productivity by managing catalogs across the entire enterprise from a single solution with an easy-to-use, familiar user interface.



Request
for data



Enhance Your Business Resiliency Strategy

Application downtime can cost millions of dollars per hour or more. CR+ dramatically reduces the financial impact of catalog outages by reducing the risk of failure, increasing the speed of recovery, and improving productivity through ease of use and enhanced functionality.

Support 24x7 Environments

For companies running 24x7 business-critical applications, performing catalog maintenance is even more critical. CR+ is designed for high-availability environments, so you can handle these situations with ease.

CR+ commands use a sophisticated CAS interface that provides total integrity for the catalogs and VVDSs being processed, as well as the CAS buffers and control blocks on all systems sharing access to the catalog.

Never again will you need to quiesce online and batch applications to reorganize a BCS or move entries from one BCS to another. With CR+ you can safely perform a reorganization and repair operation on a BCS while it's in the open and active state, or move entries between catalogs non-disruptively while data sets are open.

Manage and Support Your ICF Catalogs

For day-to-day ICF catalog management and maintenance, CR+ provides an extended DIAGNOSE facility that compares using a bi-directional mode between BCSs and volumes. For all inconsistencies found, CR+ will

create fix commands in either IDCAMS or CR+ format to re-synchronize all necessary BCS, VVDS, and VTOC entries. Additional diagnostics are available to check tape management database pointers against BCSs and to ensure master catalog alias synchronization.

“CR+ has dramatically helped us save time, money, and resources. We are fully protected and are compliant with new regulatory requirements. Mainstar again shows why they are the industry leaders with their products – their support is the best!”

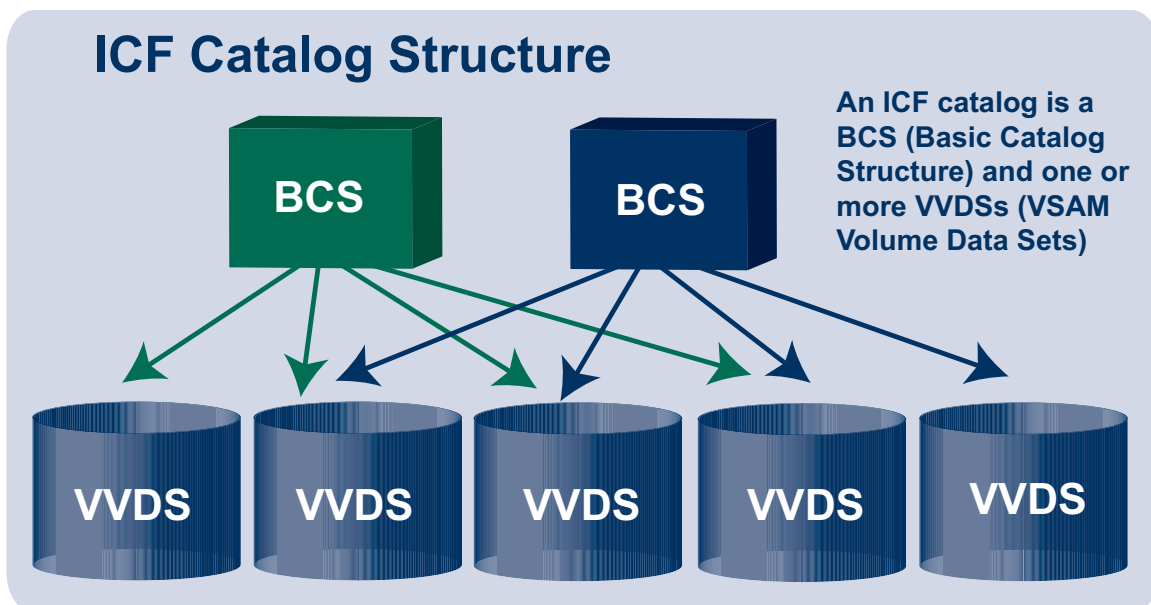
Andy Balazs, Vice President of Information Systems Services
Antares Management Solutions

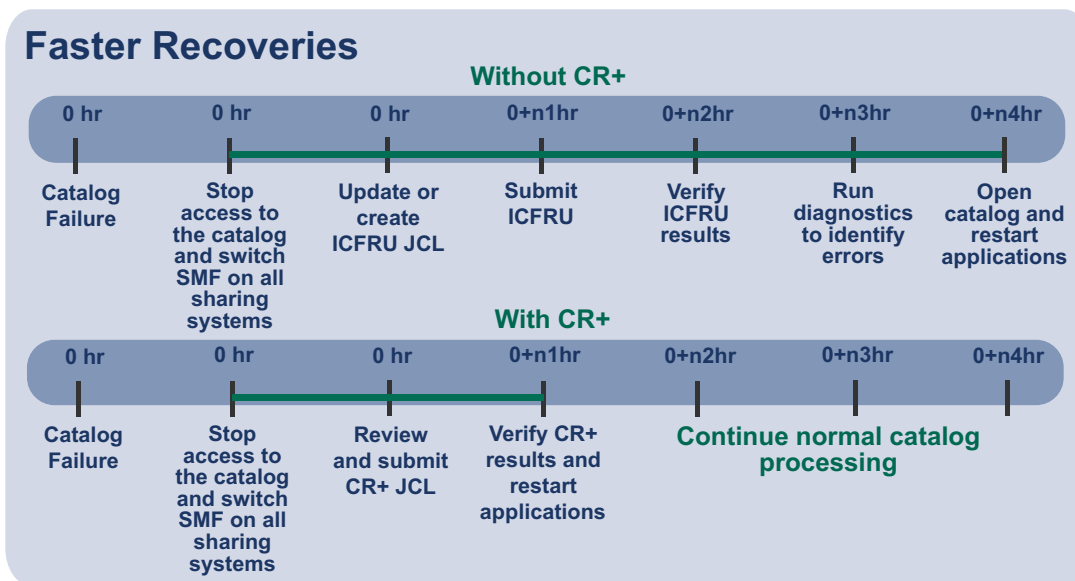
Synchronize Catalogs at the DR Site with Actual Data

At the disaster recovery (DR) site, it is imperative that your catalogs accurately reflect the actual data present on the DR system. No two z/OS® environments have the same DR plan, nor do they restore or mirror their at-home data and ICF catalogs in the same way. Therefore, there's no one-size-fits-all methodology to accomplish this. CR+ provides the flexibility you need for your unique catalog synchronization requirements.

Search for Data Sets that Match Specified Criteria and Create Reports

CR+ can perform searches using over 100 data set attribute values to easily identify virtually any data set characteristic that needs management or attention. With the CR+ report writer, create totally customized reports that contain





exactly what you need. Designed for diverse environments, this highly flexible report writer includes many report formatting options.

Change DASD VOLSERs without Removing the Data

Rename a volume and have all data sets properly recataloged without having to unload and reload all its data sets. Save time and effort: you no longer need to dump data before running ICKDSF and then restore it afterwards. With CR+ you can change a DASD volume's VOLSER easily. All that you need to ensure is that the volume is idle on all systems that share access to it.

Establish New ICF Catalog Standards

In most installations, BCSs and VVDSs have been defined over many years, resulting in a wide array of attribute standards, some of which are obsolete and adversely affect performance. With the CR+ RECOVER command, it's easy to change virtually any user-definable BCS or VVDS attribute.

Split, Merge, or Copy Catalog Records

Many catalogs in today's z/OS environment are imbalanced – meaning that too many data sets are cataloged in too few catalogs. This leads to undue risk and exposure of application downtime in the event of a catalog failure. With CR+, you can split and merge catalogs with ease and unparalleled speed.

Print, Update, and Delete BCS, VVDS, VTOC, and VSAM Data Set Records

While zapping a BCS, VVDS or VTOC record is certainly not the method that Mainstar recommends for day-to-day catalog management, there are times when this technique might be necessary. CR+ provides an easy and safe method for viewing BCS, VVDS, and VTOC records, with extensive on-screen formatting that helps you identify fields, cells, and sub-records. This interface reduces the risk of error for this type of emergency work.

Find Out More

Visit www.mainstar.com for technical articles and additional information on how CR+ 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.

Product Specifications

Operating System Environment: z/OS release 1.8 or higher.

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Feature	What It Does	Benefit
Straightforward command syntax and ISPF interface	Provides a familiar, easy-to-use interface.	Centrally manage all catalogs from a single point of control.
CAS interface	Allows execution of CR+ commands on open and in-use catalog environments, ensuring total integrity for the catalogs and VVDSs being processed.	Provide continuous data access by supporting 24x7 catalog availability.
BCS and VVDS backup and restore	Backs up one, many, or all BCSs or VVDSs in a single command, with their aliases and file definitions.	Significantly improve the integrity of the structures being backed up, with the highest backup speeds in the industry.
BCS and VVDS point-in-time and forward recovery	Uses SMF data to forward-recover a restored object to any point.	Achieve the fastest one-step recovery available today.
BCS/VVDS attribute changes	Provides the ability to change virtually any user-definable BCS or VVDS attribute during recovery processing – and automatically remove IMBED and REPLICATE if present.	Improve operational efficiencies.
CATSCRUB and selective recovery	Synchronizes catalogs and DASD data sets with the fastest and most accurate functionality available, whether catalogs are recovered in a fully populated or empty state.	Optimize business resiliency with rapid application availability.
REORG and REPAIR While Open	Reorganizes a BCS to any number of systems while it is in an open and active state, and makes attribute changes during processing.	Keep online and batch applications active – essential for high-availability environments.
Extended DIAGNOSE	Performs regularly-scheduled health checks of the BCS-VVDS-VTOC structure and repairs any errors identified.	Save time and proactively identify and repair issues before they cause problems.
BCS MERGECAT and MERGECAT While Open	Splits, merges, or copies catalog records with ease and unparalleled speed. Also provides the capability to move entries from one BCS to another non-disruptively.	Reduce the risk and exposure of application downtime.
EXPLORE and REPORT commands	Searches for data sets that meet the specified criteria and creates reports to identify data sets that need management or attention.	Quickly locate data sets in one, some, or all catalogs.
SUPERCLIP command	Renames a volume and properly recatalogs all data sets without unloading and reloading all its data sets.	Achieve more efficient catalog management.
ZAP command	Displays BCS, VVDS, VTOC, and VSAM data set records quickly and safely, with extensive on-screen formatting that helps you identify fields, cells, and sub-records.	Reduce the risk of error for emergency work.