



## ***T-REX: Premier z/OS Catalog Management Version 5 Release 2 – New Features***

### **z/OS 1.10 Support**

Full support for the IBM z/OS 1.10 Operating System. This includes new VTOC DSCBs and EAV support.

### **Dynamic Restart Capabilities**

The SCRUB and REPRO commands have been enhanced to provide “Dynamic Restart Key” capabilities. If you choose to “stop” SCRUB or REPRO during execution, Dynamic Restart allows processing to be dynamically restarted with the next logical entry for the appropriate BCS.

### **AUDIT Support**

- T-REX AUDIT command now provides additional BCDS to BCS cleanup support. HBDELETE control cards will be generated for non-SMS managed entries in the BCDS without corresponding BCS entries.
- The TAPEAUDIT command has been enhanced to check for “out-of-sync”/”rolled-out” status with TMC retention.
- The TAPEAUDIT command now has the ability to look for GDG bases that have gone “inactive” due to application drift.
- The TAPEAUDIT command provides the ability to audit tape data sets for GDG naming but using cycle control for retention.
- Support has been added for RMM 1.10, LCS 1.10, and ZARA 1.7.

### **REORG/EXPORT/IMPORT Enhancements**

- STORAGECLASS support has been added to the REORG and IMPORT commands.
- REORG has been redesigned to eliminate any dependencies on catalog management.
- Elimination of the SYSIGGV1 RNL update requirement. The SYSIGGV1 methodology can still be used by specifying the new “USEIGGV1” keyword. A new SYSTEMS keyword has been added to support the elimination of the SYSIGGV1 requirement. T-REX will dynamically execute a component on every system involved with the REORG to ensure catalog serialization.
- REORG supports a new keyword UPDATECREATEDATE to allow the option of modifying the Create Date when performing an INPLACE reorg.

### **Reporting Enhancements**

- LISTCAT has been enhanced to provide:
  1. deletion/retention of GDSs per relative generation number;
  2. semi-colon delimited output for all entries selected;
  3. multi-specification support for the DATACLASS, MANAGEMENTCLASS and STORAGECLASS keywords.
- An “ALLOCATED” selection keyword has been added to the REPORT command. When processing via the BCS, all volumes that meet the selection criteria would be selected. When processing via the volume, selection would be on a single volume basis.
- When printing BCS records, related records can also be selected. Entries referenced in association cells (AIX Truenames, aliases, UCAT records), relationship cells (paths) and related VSAM components are printed.
- The format of the “summary and totals output” produced during AUDIT OBJECT(ENQ) has been enhanced to denote resource conflicts.
- Volume and data set name filtering has been added to the TAPEREPOR OBJECT(DETAIL) command.

### **Diagnostic Support**

- The PRINT and ZAP commands have been enhanced to allow selection via CCHHR (cylinder-head-record) to list or update VTOC DSCBs.
- Additional volume validation has been added to the INTEGRITYCHECK OBJECT(CATALOGSTRUCTURE) FOCUS(BCS) command in the support of symbolic aliases.
- A new SYSRETRANSLATE keyword allows the INTEGRITYCHECK OBJECT(CATALOGSTRUCTURE) FOCUS(BCS) diagnostic routine to validate another system's SYSRES volume and symbolic volume references. SYSRETRANSLATE(&SYSR2, SYRES2) will let T-REX substitute volume SYRES2 for all volumes encountered with the symbolic reference &SYSR2.



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### **Miscellaneous Enhancements**

- ERASE/NOERASE selection keywords were added to the MODIFY command in support of data set attribute modifications.
- The ability to exclude catalogs from being selected during DUMP and RESTORE command processing has been added.
- The DUMP command keyword, DUMPOPEN, has been included in the AMSEDFLT table. The NODUMPOPEN keyword has been created to reset it.
- The RESTORE command keyword, REPLACE has been included in the AMSEDFLT table. The NOREPLACE keyword has been created to reset it.
- DELETE NOSCRATCH processing has been enhanced to allow removal of data sets that are enqueued.
- Multiple SMS management and storage classes can be specified as selection criteria during REPRO processing.

### **Documentation Updates**

A new appendix has been added to the T-REX User Guide that discusses recovering a catalog utilizing EXCP processing. This section details issues that involve spanned record segments and how T-REX successfully reconstructs and processes catalog records in this format. IMPORT examples are provided that should be used as a guideline during catalog recovery.

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