IAM Introspect from INNOVATION DATA PROCESSING

A Look into IAM's News, Features, and Highlights

IAM…Addressing Today's Concerns

Using IBM's z13/14 Large Memory Strategy – 64 Bit Buffering in CICS

- Significant reduction in Transaction Wait Time and Elapsed Time
- Considerable improvement in Transaction Throughput
- Ability to handle increased transaction demand from Web and Mobile
- 10 to 20% reduction in CICS MSUs / MLC
- Eliminate CICS Short on Storage and MAXTASK limit problems
- Continuous data availability by reorging IAM files while they are OPEN for update in CICS. Only a few seconds delay is required for file transitioning
- Reduce Batch MSUs by 30% & elapsed time from 50 to 70%

A recent survey said 51% of mainframe professionals plan to cut IT costs through mainframe optimization

IAM USERS HAVE BEEN OPTIMIZING THE MAINFRAME FOR MORE THAN 45 YEARS

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*"The users are delighted with the **64 bit overrides** the CICS sysprog put in place – **5X transactions with minimal additional overhead**."* - A GROUP MEDICAL INSURANCE COMPANY

Comparing IAMRLS support to IAM/PLEX

IAMRLS, which provides sharing within a single system / LPAR and is included in the base price of IAM. The cost to run an IAMRLS address space is about 40% less than an SMSVSAM RLS address space.

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Great Performance…64 bit buffering for CICS and IAMRLS

The use of 64-bit buffers is highly recommended for CICS and IAMRLS address spaces. It enables IAM to use more buffers for high activity data sets which improves response times and significantly reduces physical I/O activity.

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Dynamic Reorg - Enhanced Data Set Reorganization

Providing continuous data availability for IAM data sets by allowing them to be OPEN in CICS for update while performing the IAM reorg & non- fuzzy backup process.

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FDRINSTANT - Produce Secure, Offline Duplicates of IAM Files

Using IAM, Dynamic Reorg/Backup and FDR Backup Utilities to keep mission critical data current and safe from vulnerabilities.

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IAM and zEDC

While zEDC works great with EXPORTed IAM backups in sequential format, it is not an appropriate technique for record-level compression access methods such as IAM and VSAM.

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IAM and zIIP

IAM's main processing is performing logical and physical I/O. As IAM's goal is high performance, the use of a zIIP requires an SRB Dispatch which will result in a delay in IAM processing.

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IAM…Summary of Modern Mainframe Advances

Providing VSAM users significant savings for more than 40 years.

IAM's use of 64 bit storage can easily transform IAM or VSAM systems into **"Storage-in-Memory"** applications. "Storage-in-Memory" applications **cost much less to run**, eliminate almost all of the I/O and can significantly reduce file I/O wait time to **ensure large reductions in elapsed and response time.**

IAM Dynamic Reorg and Backup is a very high-speed, low-overhead process that allows IAM files to be open for update while they are reorged, backed up or both. The process uses about **95% less elapsed and CPU time than IDCAMS with VSAM**. IAM Dynamic Reorg uses a sophisticated High Activity Toleration (HAT) process that delays any file requests while the file transition process occurs. This takes only a few seconds and once complete, the file requests are released and processed normally.

IAM Dynamic Reorg Backup files are **non-fuzzy, point-in-time backups** that can easily be copied to secure, offline and disabled volumes using FDRINSTANT to invoke Hardware Fast Replication. This can be achieved in under 1 second regardless of file size. Individual data sets can be immediately restored using FDRCOPY to invoke FDRINSTANT to restore the backed up file without having to bring the volume online. Full volume and incremental backups from offline volumes are also possible using FDR and ABR.

IAM/RLS is a no-cost feature that **does not require any batch program changes** or the files to be defined as recoverable. It uses much **less CPU overhead** than VSAM/RLS.

*"A recent ISV survey said **51%** of mainframe professionals said they **plan to cut IT costs through mainframe optimization.** IAM users have been optimizing the mainframe for **more than 45 years**."*

Additional Resources

DOWNLOAD NOW

Read how using INNOVATION Data Processing's IAM, as a VSAM Replacement, Significantly Reduces Costs and Improves Batch and CICS Performance.

VISIT NOW

Browse the INNOVATION Website for up-to-date product information, upcoming events and a FREE 90-Day Trial of IAM or contact sales@fdrinnovation.com for more details.

NEXT UP: SHARE Pittsburgh, AUGUST 5 thru 7, 2019

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