Looking to Reduce Time

"IAM Reduced our Elapsed Time on the Lawson Application by 68% and Reduced our CPU Time by 23%"

A Large Manufacturing Company

ENHANCEMENTS TO BASE IAM & IAM/AIX

IAM Version 9.1 is Now Available!

IAM Version 9.1 provides a high performance alternative to VSAM for application programs that execute under IBM's z/OS operating system on z/Series processors. Enhancements in IAM Version 9.1 include IAM base product enhancements, enhancements for IAM/AIX, and enhancements tor IAM/RLS and IAM/PLEX.

Uncaptured UCB Support

IAM Version 9.1 when running under z/OS 1.12 or higher will now be able to utilize above the line UCB's without being captured. The UCB's will no longer need to be moved below the line while the data set is opened, helping to reduce the below the line storage requirements.

Support for VSAM Editors

When attempting certain functions under ISPF, such as browsing or editing IAM files, ISPF will now always invoke any installation specified VSAM software package such as File-Aid, File-Manager, Ditto, or other software.

New IAM Global Options

There are a few new Global Options in Version 9.1. The first two area controlled by the ENABLE and DISABLE keywords, which are EAV and LARGE. Both of these default to disabled. When the EAV option is enabled it will have all IAM files that are defined after the enabling to utilize the extended areas on EAV volumes, in effect setting IAM default to EATTR(OPT). When LARGE is enabled it will cause all newly defined IAM files to default to DSNTYPE=LARGE for Large Sequential Format dataset. Additionally, there is the CICSTXID Global Option that is used to set the name of the CICS transaction that will be invoked for the automatic reconnect when an IAM/PLEX or IAM/RLS address space returns to operation.

Automatic Recatalog for Renamed AIX Components

When IAM determines that a name of a component in an AIX sphere has been changed due to a copy process or rename, if IAM determines that there is an identical name change in the other related components, IAM will now automatically do the define recatalog that previously would have to be done manually.

Showcat Enhancement

IAM Version 9.1 enhances the support of the SHOWCAT service when used for IAM files to support the RETURN=NAME operand. Users can now obtain names instead of the old catalog CI numbers that are effectively tokens. This eliminates the need for the system and IAM to maintain internal tables in virtual storage to map the token to the catalog entry.

CICS/TS V5.1 Support

IAM Version 9.1 is the minimum level of IAM required for use with CICS/TS Version 5.1.

Persistent Record Locks

IAM Version 9.1 enables IAM/PLEX and IAM/RLS address spaces to re-establish record locks for recoverable files should the address space terminate, either on request or due to a failure. This is done through utilization of a new record lock journal file, and the data from the system logger or journals. This function enhances data integrity for files utilizing IAM/PLEX or IAM/RLS when an outage occurs. Use of this function is optional.

CICS Automatic File Disconnect and Reconnect

Enhancements to the IAM/PLEX and IAM/RLS support for CICS in the event of an IAM/PLEX or IAM/RLS address space termination. When it is detected that such an address space is no longer processing, all of the IAM files being processed through that IAM/PLEX or IAM/RLS address space will be closed. A list will be kept of the files that were being used so that they can be re-opened when the address space is active again. When the files are re-opened, any transaction back outs that had been deferred due to unavailability of the IAM files (shunted units of work) will be retried.

Automatically Determine File Recoverability for CICS

IAM will now determine automatically whether an IAM file being opened under IAM/PLEX or IAM/RLS by CICS is a recoverable file and manage the record locks as appropriate to that status. This eliminates the need to set the JRNAD=NONE override for files that are not recoverable under CICS.

HiperDispatch Enhancements

Performance enhancements to IAM/PLEX processing for z/OS systems that are utilizing the HiperDispatch mode. This includes reduction in local lock utilization, use of high performance Pause and Release function in place of Wait and Post, and changes to I/O task management and dispatching to minimize the need for the z/OS dispatcher to handle the I/O requests. This change reduces both SRB and TCB CPU times used by IAM/RLS and IAM/PLEX.

New Journal Record

A new journal switch record will be written when switching to a journal file to insure that at least one record has been written out to the new journal. This will prevent an unexpected reuse of the prior journal data set should the IAM/PLEX or IAM/RLS region be recycled after the switch but before any new records had been written out to it.

Replication Logging

New in IAM Version 9.1 is a replication logging function for IAM/PLEX and IAM/RLS. Referred to as Alternate Logging, this function will write out to a System Logger stream log records that are compatible with CICS format journal records intended to be used by products such as the RRDF™ Remote Recovery Data Facility from E-Net for data replication from CICS and batch jobs that are updating IAM datasets under either IAM/PLEX or IAM/RLS.

Request a No-Obligation Trial.	**Click HERE**
Request the IAM White Paper or Concepts and Facilities Guide.	**Click HERE**
Have IAM Version 9.1 shipped to you.	**Click HERE**
Request more Information on IAM Version 9.1.	**Click HERE**

IAM BENCHMARK: From 1972 to today…organizations are still seeing the performance of IAM compared to VSAM.   **Read MORE**