



IAM vs VSAM Comparison USER EXPERIENCE

September 2018

Long Running JOBSTEP Processing a Large File in an ATM Software Application

A comparison of files was run on:

- **VSAM with HARDWARE COMPRESSION**
- **IAM with HARDWARE COMPRESSION**
- **IAM with SOFTWARE COMPRESSION**

Users are constantly looking for ways to make their VSAM Applications run faster and take less I/O and CPU time. IAM not only does this, but it also adjusts its buffering algorithm based on what it sees the application program doing in Real Time.

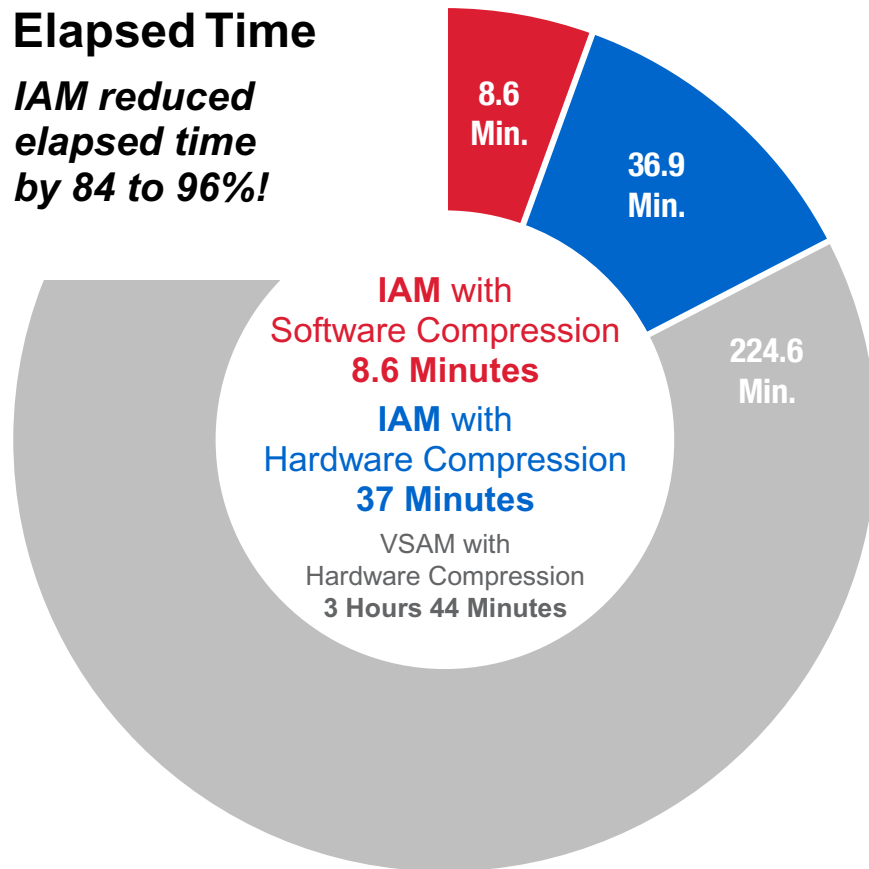
IAM vs VSAM Comparison

FILE LOADING

A Long Running JOBSTEP with a Large File in an ATM Software Application

Elapsed Time

IAM reduced elapsed time by 84 to 96%!



< Comparison is based on throughput performance of file load processing of 6,448,000 records for IAM and VSAM, with hardware and software data compression.

Test results show that > VSAM with Hardware Compression took significantly longer versus IAM which takes less I/O and CPU time.

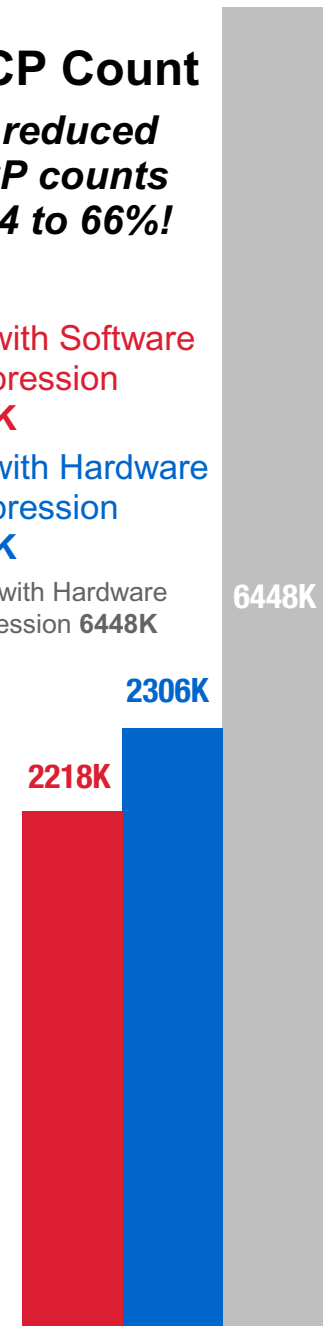
EXCP Count

IAM reduced EXCP counts by 64 to 66%!

IAM with Software Compression
2218K

IAM with Hardware Compression
2306K

VSAM with Hardware Compression **6448K**



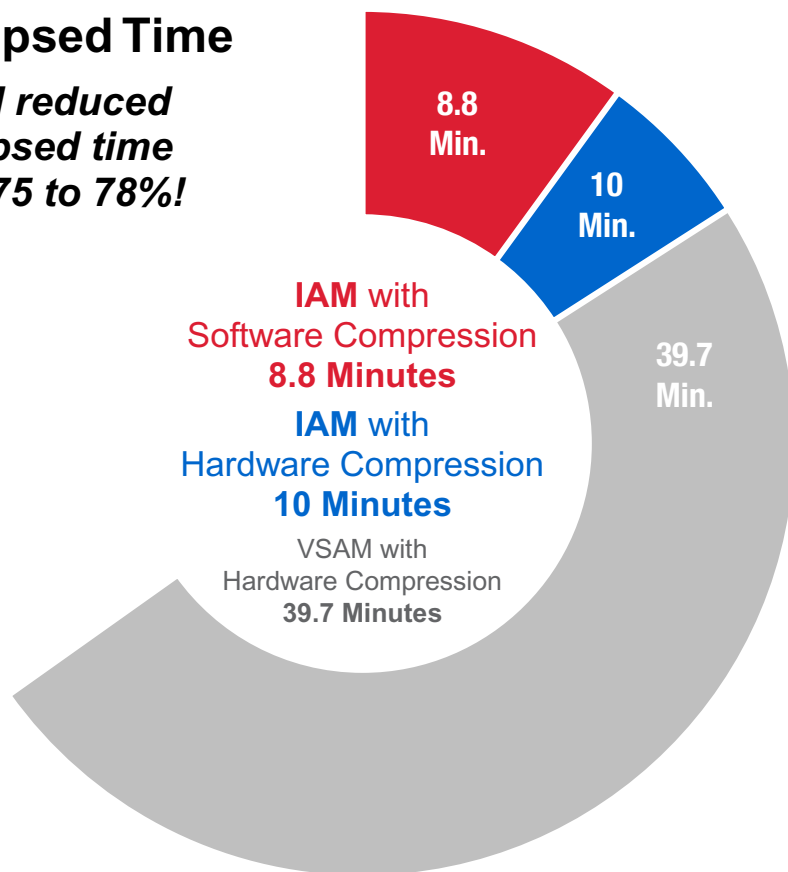
IAM vs VSAM Comparison

FILE PROCESSING

A Long Running JOBSTEP with a Large File in an ATM Software Application

Elapsed Time

IAM reduced elapsed time by 75 to 78%!



< Test results show that VSAM with Hardware Compression took significantly longer versus IAM which takes less I/O and CPU time.

Comparison is based on > throughput performance of file load processing of 6,448,000 records for IAM and VSAM, with hardware and software data compression.

EXCP Count

IAM reduced EXCP counts by OVER 97%!

IAM with Software Compression
48K

IAM with Hardware Compression
44K

VSAM with Hardware Compression 1652K

