



# IAM vs VSAM Comparison USER EXPERIENCE

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.



## TECHNICAL BULLETIN



## IAM Version 9.4 New Support for Pervasive Encryption

GA 4th Quarter 2019

Beta Test Version Available

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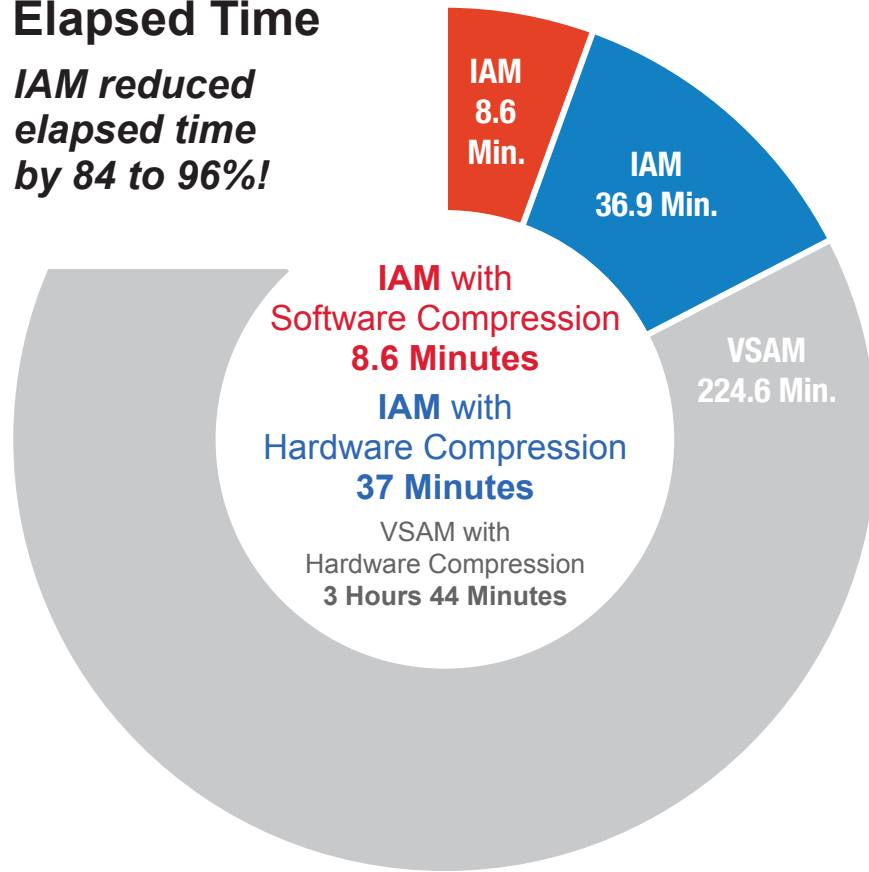
# IAM vs VSAM Comparison

## 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.

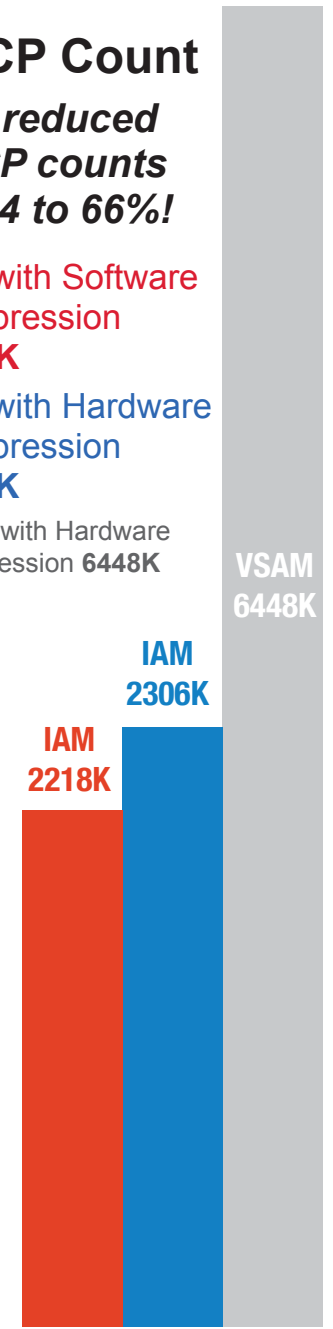
### EXCP Count

**IAM reduced EXCP counts by 64 to 66%!**

**IAM with Software Compression**  
**2218K**

**IAM with Hardware Compression**  
**2306K**

VSAM with Hardware Compression 6448K



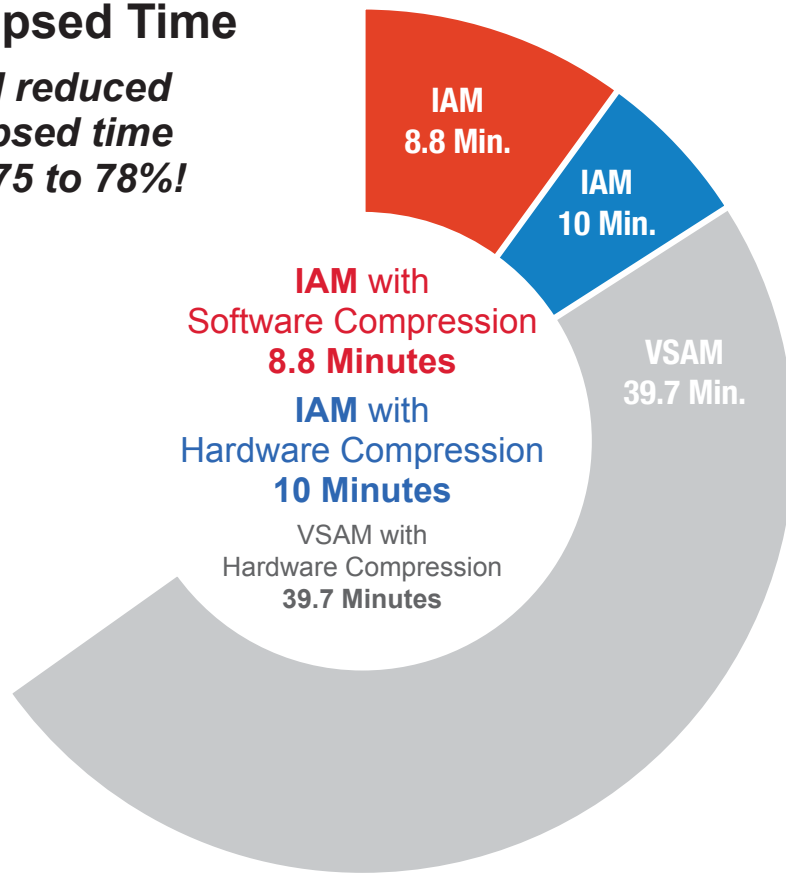
# IAM vs VSAM Comparison

## 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

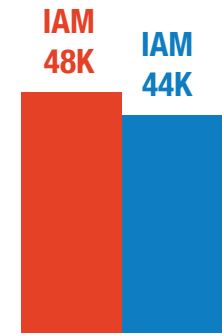
*IAM reduced EXCP counts by OVER 97%!*

**IAM with Software Compression**  
48K

**IAM with Hardware Compression**  
44K

VSAM with Hardware Compression 1652K

VSAM  
1652K



## For More Information on IAM:

[Learn How >>>](#) Reduce Your Monthly License Charges

[Download >>>](#) IAM User Manual

[Learn More >>>](#) IAM Product Page

[Review >>>](#) Latest Product Release Information

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## TECHNICAL BULLETIN

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*GA 4th Quarter 2019*

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