

MoSMB – An RDMA-powered SMB 3 server for Media and Entertainment Workflows



HARNESS THE SPEED OF RDMA!

MoSMB, SMB 3 file server has been purpose built to meet the challenges of the most demanding workflows in media production!

THE FUTURE'S SUPER-FAST! THE FUTURE'S MOSMB!

We all know that the digital film is rapidly evolving to 4K and beyond!

Format	Frame Rate (fps)	Data Rates (MB/s)
SDTV	~30	31
HDTV	24	149
UHD-1 4K	60	1,866
UHD-2 8K	120	17,916
Digital Cinema 2K	24	199
Digital Cinema 4K	48	1,910
Digital Cinema 8K	120	25,480

BLOCKBUSTER PERFORMANCE

MoSMB implements a number of performance features to harness NVMe storage and RDMA for high throughput & IOPs!

SINGLE CLIENT-SINGLE SERVER PERFORMANCE

Benchmark	Transport	Workload	Speed
Diskspd	RDMA	Video Playback	93 Gbps
Diskspd	RDMA	Video Ingest	76 Gbps
Frametest	RDMA	4 Parallel 4K Video Playback streams	29 fps per stream
Frametest	RDMA	4 Parallel 4K Video Ingest streams	27 fps per stream
Diskspd	TCP	Video Playback	82 Gbps
Diskspd	TCP	Video Ingest	61 Gbps
Frametest	TCP	4 Parallel 4K Video Playback streams	26 fps per stream
Frametest	TCP	4 Parallel 4K Video Ingest streams	25 fps per stream

With a 64-bit architecture, MoSMB server can easily store tens of billions of files and scale to multiple petabytes.

For media workflows like rendering, animation, editing, post-production, color correction, VFX or virtual reality, the performance and scalability capabilities of MoSMB make it the SMB file server of choice.



CLOUD JOURNEY IN THE FAST LANE!



MoSMB-S3 server enables secure & seamless access to S3-compatible object storage using SMB file-based interfaces.

In a cloud-centric world, MoSMB-S3 enables the cost benefits and scalability of cloud while leveraging the high speeds enabled by RDMA!

CLOUD ACTIVE ARCHIVE

To meet the ever-increasing demands, MoSMB-S3 server provides petabyte scale archiving capability with immediate access.

CLOUD TIERING

Tier cold data to any S3 compatible object store (private or public cloud) while ensuring it remains accessible in a single management pool without any restoration delays.

CLOUD BURST

Use MoSMB to cache on-premise data on the cloud & leverage elastic compute resources on cloud during peak periods to meet tight deadlines.