

## VFS baseline

Conditions	Clean SMB thread. Old smb
Commands	Python write test - 10000 files
Start mem usage	38MB
Final mem usage	104MB
Vol info	server.event-threads: 4 client.event-threads: 4 performance.client-io-threads: on performance.write-behind-window-size: 1MB cluster.lookup-optimize: on performance.nl-cache-timeout: 600 performance.nl-cache: on performance.parallel-readdir: on performance.io-thread-count: 32 performance.md-cache-timeout: 600 performance.cache-samba-metadata: off performance.cache-invalidation: on features.cache-invalidation-timeout: 600 features.cache-invalidation: on performance.stat-prefetch: off performance.cache-size: 1000MB storage.batch-fsync-delay-usec: 0 features.quota: on features.inode-quota: on locks.mandatory-locking: optimal cluster.server-quorum-ratio: 50%

## VFS baseline

Conditions	Clean SMB thread. New smb
Commands	Python write test - 10000 files
Start mem usage	19MB
Final mem usage	75MB
Vol info	server.event-threads: 4 client.event-threads: 4 performance.client-io-threads: on performance.write-behind-window-size: 1MB cluster.lookup-optimize: on performance.nl-cache-timeout: 600 performance.nl-cache: on performance.parallel-readdir: on performance.io-thread-count: 32 performance.md-cache-timeout: 600 performance.cache-samba-metadata: off performance.cache-invalidation: on features.cache-invalidation-timeout: 600 features.cache-invalidation: on performance.stat-prefetch: off performance.cache-size: 1000MB storage.batch-fsync-delay-usec: 0 features.quota: on features.inode-quota: on locks.mandatory-locking: optimal cluster.server-quorum-ratio: 50%

## No Gluster Cache

Conditions	Clean SMB thread. New smb
Commands	Python write test - 10000 files
Start mem usage	20MB
Final mem usage	80MB
Vol info	performance.io-cache: off performance.write-behind: off performance.flush-behind: off locks.mandatory-locking: optimal features.inode-quota: on features.quota: on storage.batch-fsync-delay-usec: 0 performance.cache-size: 0MB performance.stat-prefetch: off features.cache-invalidation: on features.cache-invalidation-timeout: 600 performance.cache-invalidation: on performance.cache-samba-metadata: off performance.md-cache-timeout: 600 performance.io-thread-count: 32 performance.parallel-readdir: on performance.nl-cache: on performance.nl-cache-timeout: 600 cluster.lookup-optimize: on performance.write-behind-window-size: 1MB performance.client-io-threads: on client.event-threads: 4 server.event-threads: 4 features.quota-deem-statfs: on

## No Gluster Cache V2

Conditions	Clean SMB thread. New smb
Commands	Python write test - 10000 files
Start mem usage	81MB
Final mem usage	162MB
Vol info	performance.io-cache: off performance.write-behind: off performance.flush-behind: off locks.mandatory-locking: optimal features.inode-quota: on features.quota: on storage.batch-fsync-delay-usec: 0 performance.cache-size: 0MB performance.stat-prefetch: off features.cache-invalidation: on features.cache-invalidation-timeout: 600 performance.cache-invalidation: on performance.cache-samba-metadata: off performance.md-cache-timeout: 600 performance.io-thread-count: 1 performance.parallel-readdir: off performance.nl-cache: off performance.nl-cache-timeout: 600 cluster.lookup-optimize: off performance.write-behind-window-size: 1MB performance.client-io-threads: off client.event-threads: 4 server.event-threads: 4

## Brick multiplexing on

Conditions	Clean SMB thread. New smb
Commands	Python write test - 10000 files
Start mem usage	84MB
Final mem usage	167MB
Vol info	performance.io-cache: off cluster.brick-multiplex: on performance.write-behind: off performance.flush-behind: off locks.mandatory-locking: optimal features.inode-quota: on features.quota: on storage.batch-fsync-delay-usec: 0 performance.cache-size: 0MB performance.stat-prefetch: off features.cache-invalidation: on features.cache-invalidation-timeout: 600 performance.cache-invalidation: on performance.cache-samba-metadata: off performance.md-cache-timeout: 600 performance.io-thread-count: 1 performance.parallel-readdir: off performance.nl-cache: off performance.nl-cache-timeout: 600 cluster.lookup-optimize: off performance.write-behind-window-size: 1MB performance.client-io-threads: off client.event-threads: 4 server.event-threads: 4

## Reset volume options, no quota

Conditions	Clean SMB thread. New smb
Commands	Python write test - 10000 files
Start mem usage	77MB
Final mem usage	144MB
Vol info	Brick1: mcn01:/mnt/h1a/test_data Brick2: mcn02:/mnt/h1b/test_data Brick3: mcn01:/mnt/h2a/test_data Brick4: mcn02:/mnt/h2b/test_data Options Reconfigured: nfs.disable: on features.inode-quota: off features.quota: off cluster.brick-multiplex: on cluster.server-quorum-ratio: 50%

## Reset volume options, no quota - Long running

Conditions	Clean SMB thread. New smb
Commands	Python write test: Start 15:37 14/12/2018, End 10:30 17/12/2018
Start mem usage	22MB
Final mem usage	11300MB
Vol info	Brick1: mcn01:/mnt/h1a/test_data Brick2: mcn02:/mnt/h1b/test_data Brick3: mcn01:/mnt/h2a/test_data Brick4: mcn02:/mnt/h2b/test_data Options Reconfigured: nfs.disable: on features.inode-quota: off features.quota: off cluster.brick-multiplex: on cluster.server-quorum-ratio: 50%