

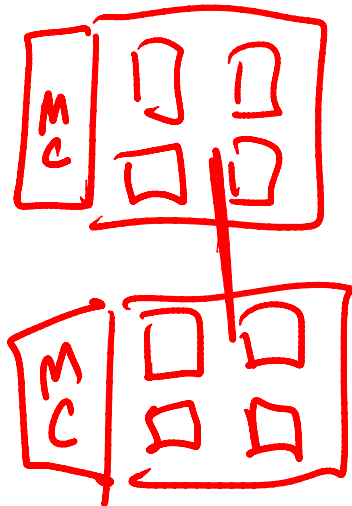
sys.dm_os_volume_stats (dbid, fileid)

From sys.master_files

Cross APPLY sys.dm_os_volume_stats(

This slide references the new DMO sys.dm_os_volume_stats for monitoring mount points from inside of SQL Server.

Magny-Cours



This slide references the layout of later AMD processor lines like the Magny-Cours and Interlagos chips which present 2 NUMA Nodes per socket.

PLE

$$256 \text{ GB} = \frac{262144 \text{ MB}}{300 \text{ s}} = 873.8 \text{ MB/sec}$$

262144 MB

300 MB/sec

873.8 s

This slide references the formula for figuring out the effect of Page Life Expectancy values on sustained disk I/O requirements and vice versa for SQL Server. A 256GB data cache with a PLE of 300 seconds would require 873.8MB/sec sustained I/O which is why a static value is nonsense for this counter. It needs to be based on your I/O subsystems capabilities and the amount of RAM installed, or better from your own established baselines of the server.