

Data-Systems-Internals: Advanced Hardware Profile

1. Memory & Virtual Storage (Swap)

Total Physical RAM: 15.78 GB

OS Page Size: 4096 bytes

Total Swap Space: 8.0 GB

Swap Usage: 5.2%

2. Storage I/O Throughput

Read Count: 9,947,749

Write Count: 9,440,823

Total Read: 480.59 GB

Total Write: 202.98 GB

3. Kernel & Multitasking Stats

Context Switches: 2,917,931,857

Interrupts: 1,981,405,931

Soft Interrupts: 0

4. Advanced Engineering Context

Context Switching: Your system has performed 2,917,931,857 switches. High context switching can lead to TLB flushes and increased EAT. Disk I/O: Total read of 480.59 GB suggests the intensity of data movement between storage and RAM.