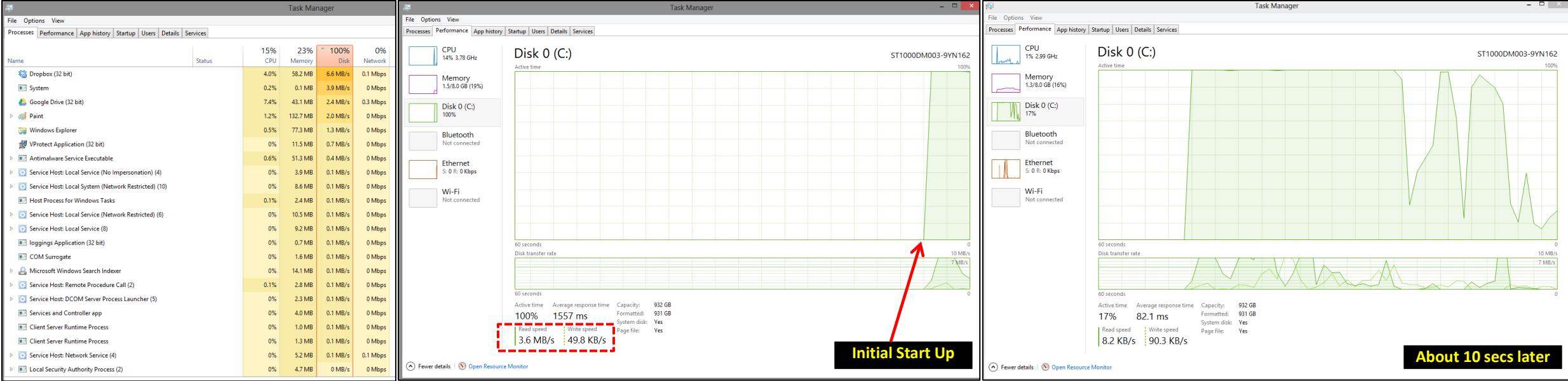


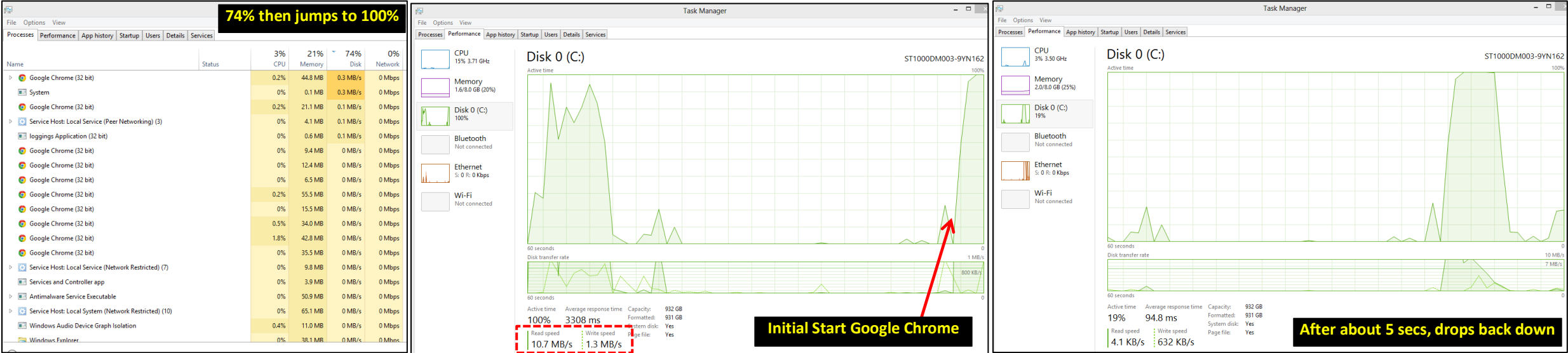
Disk Manager Problem at 100% (10.08.13)

- Below are 3 examples of when the Disk reaches 100%. This happens with every program, not just the screen shots shown below.
- Here is a 2 min **video** of the issue: <https://www.dropbox.com/s/a22w0koifhtgtwb/Disk%20Manager%20100%25%20%28Video%29.mp4>

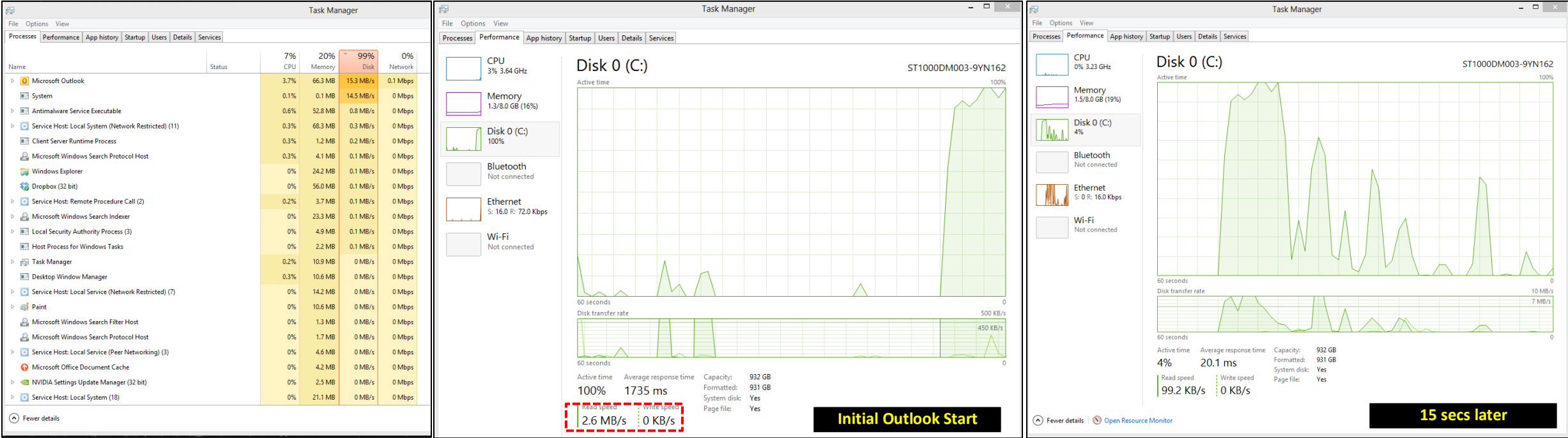
1. **COMPUTER START UP** (within a few secs of starting Windows 8 – only Dropbox & Google Drive are active on startup)



2. **GOOGLE CHROME** (Staring Google Chrome)

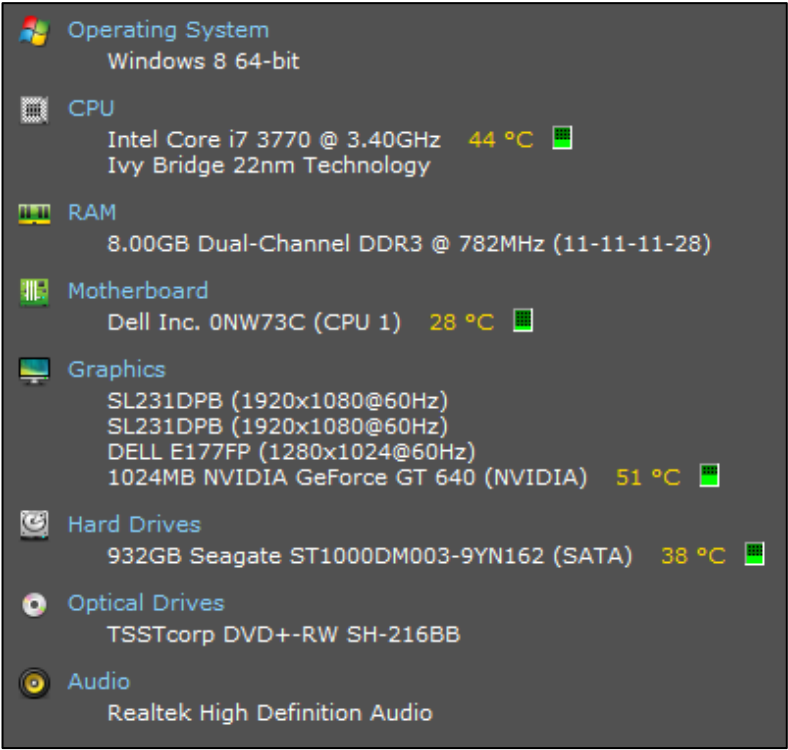


3. MICROSOFT OUTLOOK (Staring MS Outlook)



Computer SPECS

- Recently started noticing a slowdown on my new Dell XPS 8500 purchased in March 2013, to the right are my computer specs:
- There is no virus or malware on this comptuer. At least every 2 weeks I will use CCleaner & Auslogics Disk Defrag.
- The highest read/write speed I have seen is about 12 MB/s.
- See next page



More Details

Detailed look at my computer's hard drive:

Hard Drives

ST1000DM003-9YN162

Manufacturer

Seagate

Heads

16

Cylinders

16,383

SATA type

SATA-III 6.0Gb/s

Device type

Fixed

ATA Standard

ATA8-ACS

Serial Number

S1D65FWP

LBA Size

48-bit LBA

Power On Count

550 times

Power On Time

73.8 days

Speed

7200 RPM

Features

S.M.A.R.T., APM, NCQ

Transfer Mode

SATA III

Interface

SATA

Capacity

932 GB

Real size

1,000,204,886,016 bytes

RAID Type

None

S.M.A.R.T

Status

Good

Temperature

39 °C

Temperature Range

OK (less than 50 °C)

01 Read Error Rate

114 (099) Data 00040FB718

03 Spin-Up Time

097 (097) Data 0000000000

04 Start/Stop Count

100 (100) Data 000000022C

05 Reallocated Sectors Count

100 (100) Data 0000000000

07 Seek Error Rate

078 (060) Data 0003CBE8EA

09 Power-On Hours (POH)

098 (098) Data 00000006EB

0A Spin Retry Count

100 (100) Data 0000000000

0C Device Power Cycle Count

100 (100) Data 0000000226

B7 SATA Downshift Error Count

100 (100) Data 0000000000

B8 End-to-End error / IOEDC

100 (100) Data 0000000000

BB Reported Uncorrectable Errors

100 (100) Data 0000000000

BC Command Timeout

100 (100) Data 0000000001

BD High Fly Writes (WDC)

100 (100) Data 0000000000

BE Temperature Difference from 100

062 (057) Data 0026250026

BF G-sense error rate

100 (100) Data 0000000000

C0 Power-off Retract Count

100 (100) Data 000000005F

C1 Load/Unload Cycle Count

099 (099) Data 000000084A

C2 Temperature

038 (043) Data 0000000026

C5 Current Pending Sector Count

100 (100) Data 0000000000

C6 Uncorrectable Sector Count

100 (100) Data 0000000000

C7 UltraDMA CRC Error Count

200 (200) Data 0000000000

F0 Head Flying Hours

100 (253) Data 0000000702

F1 Total LBAs Written

100 (253) Data 00685ADB32

F2 Total LBAs Read

100 (253) Data 004D038965

Partition 0

Partition ID

Disk #0, Partition #0

Size

300 MB

Partition 1

Partition ID

Disk #0, Partition #1

Size

100 MB

Partition 2

Partition ID

Disk #0, Partition #2

Disk Letter

C:

File System

NTFS

Volume Serial Number

E8F47EA7

Size

931 GB

Used Space

164 GB (18%)

Free Space

767 GB (82%)

| Benchmarks from Seagates website. Hard Drive should get avg. 156 MB/s: | | | | |
|---|------------------|------------------|--------------------|------------------|
| Specifications | 3TB ¹ | 2TB ¹ | 1.5TB ¹ | 1TB ¹ |
| Model Number | ST3000DM001 | ST2000DM001 | ST1500DM003 | ST1000DM003 |
| Interface Options | SATA 6Gb/s NCQ | SATA 6Gb/s NCQ | SATA 6Gb/s NCQ | SATA 6Gb/s NCQ |
| Performance | | | | |
| Spindle Speed (RPM) | 7200 | 7200 | 7200 | 7200 |
| Cache, Multisegmented (MB) | 64 | 64 | 64 | 64 |
| SATA Transfer Rates Supported (Gb/s) | 6.0/3.0/1.5 | 6.0/3.0/1.5 | 6.0/3.0/1.5 | 6.0/3.0/1.5 |
| Seek Average, Read (ms) | <8.5 | <8.5 | <8.5 | <8.5 |
| Seek Average, Write (ms) | <9.5 | <9.5 | <9.5 | <9.5 |
| Average Data Rate, Read/Write (MB/s) | 156 | 156 | 156 | 156 |
| Max Sustained Data Rate, OD Read (MB/s) | 210 | 210 | 210 | 210 |
| Configuration/Organization | | | | |
| Heads/Disks | 6/3 | 6/3 | 4/2 | 2/1 |
| Bytes per Sector | 4096 | 4096 | 4096 | 4096 |
| Voltage | | | | |
| Voltage Tolerance, Including Noise (5V) | +10%/−5.0% | +10%/−5.0% | +10%/−5.0% | +10%/−5.0% |
| Voltage Tolerance, Including Noise (12V) | +10%/−7.5% | +10%/−7.5% | +10%/−7.5% | +10%/−7.5% |
| Reliability/Data Integrity | | | | |
| Contact Start/Stop Cycles | — | — | — | — |
| Load/Unload Cycles | 300,000 | 300,000 | 300,000 | 300,000 |
| Nonrecoverable Read Errors per Bits Read, Max | 1 per 10E14 | 1 per 10E14 | 1 per 10E14 | 1 per 10E14 |
| Annualized Failure Rate (AFR) | <1% | <1% | <1% | <1% |
| Power-On Hours | 2400 | 2400 | 2400 | 2400 |
| Power Management | | | | |

When using 3rd Party Hard Drive Tests:

Parkdale

Again, seems like I should get up to that 185 MB/s. On average, I am only getting 10 MB/s.

931.0 GB Local Disk (C:)
ST1000DM003-9YN162 - CC4G

Removable Disk (D:)
Generic - SD/MMC - 1.00

Removable Disk (E:)
Generic - Compact Flash - 1.01

Removable Disk (F:)
Generic - SM/xD-Picture - 1.02

Removable Disk (G:)
Generic - MS/MS-Pro - 1.03

DVD RW Drive (H:)
TSSTcorp - DVD+-RW SH-216BB - D100

File Size
4000 MByte

Block Size
☒ 64 kByte [Windows Default]
☐ 1 MByte

Seq. Write Speed
184.4 MByte/sec

Random QD32
1556.3 kByte/sec, 389.1 IOPS, 2.57 ms

Seq. Read Speed
177.7 MByte/sec

Random QD32
639.0 kByte/sec, 159.8 IOPS, 6.26 ms

Start

Stop

[Compare and Submit your test results](#)

Single file (WRITE)

Lots of files per sec (WRITE)
[Individual operations per sec]

Single file (READ)

Lots of files per sec (READ)
[Individual Operations per sec]

Crystal Disk Mark

Crystal is also saying I'm getting 177 MB/s & 154 MB/s.

File Edit Theme Help Language

All

5

50MB

C: 18% (164/931GB)

Seq

Read [MB/s]
177.1

Write [MB/s]
154.3

512K

Read [MB/s]
112.1

Write [MB/s]
148.4

4K

Read [MB/s]
2.545

Write [MB/s]
1.150

4K QD32

Read [MB/s]
1.365

Write [MB/s]
1.393

Please help. I've contacted Dell, Microsoft, & Seagate. No one has an answer to the settings (and/or driver) that I need to change. Thank you!!!