

6A-"SIGNATURE COLLISION" FROM RUNNING BOTH A TARGET DRIVE AND A CLONED DRIVE ON THE SAME COMPUTER

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SUMMARY

If you clone any hard drive or Solid State Drive (SSD) and then you boot up any computer (running either Windows.. or Linux..) with both the original source drive and the target clone drive attached, then you will get a "signature collision" and only one of the two drives will be online in the computer AND in Windows.. the drive letters of the two drives will be switched!.

SIGNATURE COLLISION

- If you boot up a Windows.. computer that is attached to both the original source hard drive and a target clone drive that has been created by Rescuezilla or "Clonezilla Live", you will see the following in "Disk Management":

Disk Management

File Action View Help



Volume	Layout	Type	File System	Status	Capacity	Free Spa...	% Free
(G:)	Simple	Basic	RAW	Healthy (B...	1.11 GB	1.11 GB	100 %
(Disk 4 partition 1)	Simple	Basic		Healthy (E...	100 MB	100 MB	100 %
(Disk 4 partition 4)	Simple	Basic		Healthy (R...	600 MB	600 MB	100 %
(Disk 5 partition 1)	Simple	Basic	RAW	Healthy (B...	0 MB	0 MB	100 %
(Disk 5 partition 2)	Simple	Basic		Healthy (E...	6 MB	6 MB	100 %
(Disk 5 partition 4)	Simple	Basic		Healthy (P...	930.75 GB	930.75 GB	100 %
real-LLL (L:)	Simple	Basic	NTFS	Healthy (B...	11175.98 GB	5018.97 ...	45 %
Windows (C:)	Simple	Basic	NTFS	Healthy (B...	930.81 GB	503.97 GB	54 %
Y1--Y (Y:)	Simple	Basic	NTFS	Healthy (B...	3726.01 GB	843.71 GB	23 %
Y2--Z-04-07 (Z:)	Simple	Basic	NTFS	Healthy (B...	3815.43 GB	722.20 GB	19 %

Disk 0
 Basic
 11175.98 GB
 Online

real-LLL (L:)
 11175.98 GB NTFS
 Healthy (Basic Data Partition)

Disk 1
 Basic
 11175.98 GB
 Offline

11175.98 GB


Unallocated Primary partition

 **Disk 0**

Basic
11175.98 GB
Online






real-LLL (L:)
11175.98 GB NTFS
Healthy (Basic Data Partition)



 **Disk 1**





Basic
11175.98 GB
Offline 

11175.98 GB

 Unallocated  Primary partition

 Disk 0 Basic 11175.98 GB Online	 real-LLL (L:) 11175.98 GB NTFS Healthy (Basic Data Partition)
 Disk 1 Basic 11175.98 GB Offline 	 11175.98 GB

 Unallocated  Primary partition

 Disk 0 Basic 11175.98 GB Online	 real-LLL (L:) 11175.98 GB NTFS Healthy (Basic Data Partition)
 Disk 1 Basic 11175.98 GB Offline (The disk is offline because it has a signature collision with another disk that is online)	 11175.98 GB

■ Unallocated ■ Primary partition

SIGNATURE COLLISION RESULTS IN A SWITCH OF THE HARD DRIVES !

- Windows.. computer prior to running Rescuezilla or "CLONEZILLA LIVE": SATA port #7 connected to Western Digital 1-TB SSD with manufacturer's serial of 4567 is E: drive and this is the "source drive" that needs to be cloned
- Power down the computer

SIGNATURE COLLISION RESULTS IN A SWITCH OF THE HARD DRIVES !

(continued)

- Connect SATA port #8 connected to Western Digital 2-TB SSD with manufacturer's serial of 4968 and this is the "destination drive" that will become the clone of the E: drive
- Boot up the computer with either Rescuezilla or "CLONEZILLA LIVE"

SIGNATURE COLLISION RESULTS IN A SWITCH OF THE HARD DRIVES !

(continued)

- Perform the clone process with the SOURCE DRIVE being Western Digital 1-TB SSD connected to SATA port 7 with the manufacturer's serial of 4567 (and original drive letter of E:) and the TARGET DRIVE being Western Digital 2-TB SSD connected to SATA port 8 with the manufacturer's serial of 4968

SIGNATURE COLLISION RESULTS IN A SWITCH OF THE HARD DRIVES !

(continued)

- Power down the computer.
- Leaving both the source drive and the target drive attached, power up the computer with the original Windows.. operating system
- The original Windows operating system will detect a "signature collision" and assign the E: drive letter to the newly cloned 2-TB SSD:

SIGNATURE COLLISION RESULTS IN A SWITCH OF THE HARD DRIVES !

(continued)

- Windows.. will refuse to display the original SOURCE DRIVE being Western Digital 1-TB SSD connected to SATA port 7 with the manufacturer's serial of 4567 and indicate that it has a "Signature Collision".

SIGNATURE COLLISION RESULTS IN A SWITCH OF THE HARD DRIVES !

(continued)

- Windows.. will display as E: the newly-created TARGET DRIVE which is the Western Digital 2-TB SSD connected to SATA port 8 with the manufacturer's serial of 4968
- The "Signature Collision" between the two SSDs will cause other drive utilities both bundled and third-party ones to fail.