

MediaClone Benchmark Results



Imaging Results (E01 Format +MD5***+SHA-1)

SN	Suspect Type	Suspect Source	Destination Drive (IMGHD)	MediaClone Results (Non-Compression)		MediaClone Results (Compression)	
				Time Taken**	GB/MIN	Time Taken**	GB/MIN
1	Thumbdrive	8GB Sandisk Cruzer Blade (USB 2.0)	1TB SATA WD Blue	7min	2.1GB	6min	2.4GB
2	External HDD	500GB PHD Silicon Power		2hr 41min	5.8GB	2hr 29min	6.4GB
3	3.5 INCH HDD	500GB SATA WD Blue		2hr 25min	6.5GB	2hr 22min	6.7GB
4	3.5 INCH HDD	500GB SATA WD Blue	3TB SATA WD Black	2hr 17min	6.9GB	2hr 11min	7.2GB
5	3.5 INCH HDD	1TB SATA WD Green		3hr 48min	8.3GB	3hr 54min	8.1GB
6	3.5 INCH HDD	3TB SATA WD Black		15hr 11min	3.1GB	11hr	8.6GB
7	SSD	500GB Vector OCZ SSD		2hr 5min	8.2GB	1hr 57min	8.3GB

*** MD5 is slowing the operation by a lot (Replaced today by SHA-1 and SHA-2)

Imaging Results(E01 format+MD5+SHA-1)

SN	Suspect Type	Suspect Source	Destination Drive (IMGHD)	Media Clone Results (Compression)		TD2 Results (Compression)		TD3 Results (Compression)	
				Time Taken**	GB/MIN	Time Taken**	GB/MIN	Time Taken**	GB/MIN
1	Thumbdrive	8GB Sandisk Cruzer Blade (USB 2.0)	1TB SATA WD Blue	6min	2.4GB	5min	3.1GB	5min	3GB
2	External HDD	500GB PHD Silicon Power		2hr 29min	6.4GB	5hr 15min	6.1GB	3hr 13min	5.1GB
3	3.5 INCH HDD	500GB SATA WD Blue		2hr 22min	6.7GB	2hr 38min	6.4GB	3hr 3min	5.4GB
4	3.5 INCH HDD	500GB SATA WD Blue	3TB SATA WD Black	2hr 11min	7.2GB	2hr 38min	6.4GB	3hr 2min	5.4GB
5	3.5 INCH HDD	1TB SATA WD Green		3hr 54min	8.1GB	5hr 3min	6.5GB	5hr 56min	5.6GB
6	3.5 INCH HDD	3TB SATA WD Black		11hr	8.6GB	15hr 10min	6.5GB	17hr 45min	5.6GB
7	SSD	500GB Vector OCZ SSD		1hr 57min	8.3GB	3hr 16min	5.2GB	3hr 15min	5.2GB
8	3.5 INCH HDD	500GB SATA WD Blue	1TB SATA WD Blue	2hr 19min	6.7GB	NA*	NA*	NA*	NA*
	3.5 INCH HDD	500GB SATA WD Blue	1TB SATA WD Blue	2hr 57min	5.3GB				

* TD2 and TD3 does not support 2 to 2 Imaging.

** The HASH Evidence compare Suspect is set for all the runs that involve imaging. It runs 2 passes, one over a Suspect HDD and second over an Evidence HDD. The first pass runs a data imaging from Suspect HDD and calculates HASH value. The second pass runs HASH only on the Evidence HDD and calculates HASH value. Those two HASH values are compared. The time it takes to complete this operation is doubled because of those two passes.

Associated With

Smith & Williamson

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Imaging SSD TO WD Black using different Evidence file format(MD5 and SHA-1)

SN	Hard Disk	Destination HDD	Evidence File Format	Media Clone Results		TD2 Results		TD3 Results	
				Time Taken	GB/MIN	Time Taken	GB/MIN	Time Taken	GB/MIN
1	500GB Vector OCZ SSD	3TB SATA WD Black	E01	1hr 57min	8.3GB	3hr 16min	5.2GB	3hr 15min	5.2GB
2			DD (Raw Image)	1hr 49min	9.6GB	2hr 47min	6.0GB	2hr 55min	5.8GB

Hashing Comparison Results for SSD (MD5 and SHA-1)

SN	Hard Disk	Media Clone Results		TD2 Results		TD3 Results	
		Time Taken	GB/MIN	Time Taken	GB/MIN	Time Taken	GB/MIN
1	500GB Vector OCZ SSD	24min	20GB	1hr 2min	8.1GB	1hr 8min	7.5GB

Wiping Results (Single Pass)

SN	Hard Disk	Destination HDD	Media Clone Results		TD2 Results		TD3 Results	
			Time Taken	GB/MIN	Time Taken	GB/MIN	Time Taken	GB/MIN
1	500GB SATA WD Blue	Single HDD wiping	1hr 28min	5.6GB	1hr 21min	6.1GB	1hr 36min	5.2GB
2	1.0TB SATA WD Blue	Two HDD wiping	1hr 23min	5.6GB	NA**		NA**	

**TD2 and TD3 does not support wiping 2 Hard Disk concurrently

Associated With

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