



ActiveImage Protector 2016 R2 SP1 performance comparison

(ActiveImage Protector vs the Competitors as of March 30, 2017)

Scenario 1: Backups stored on a local disk

	ACTIVEIMAGE PROTECTOR 2016 R2 SP1			SYSTEM RECOVERY 16	BACKUP ADVANCED 11.7		SHADOWPROTECT 5.2.7	ARCSERVE UDP 6		
Vendors	NetJapan			Veritas	Acronis		StorageCraft	ARCserve		
Encryption	non	non	non	non	non	non	non	non	non	non
Compression ratio	-	-	High	Software	Max.	-	High	Standard	Standard	Max.
De-duplication feature	Level 1	Level 2	-	-	-	ON	-	ON	ON	-
Block size	2KB	4KB (default)	-	-	-	4KB	-	16KB (default)	4KB	-
BACKUP										
Time to complete Backup task (hh:mm:ss)	2:51:55	2:16:05	2:09:36	7:32:11	5:32:47	1:42:29	3:34:30	3:02:04	3:37:50	2:09:38
Relativization of backup time (when setting AIP Level 2 as 1)	1,26	1,00	0,95	3,32	2,45	0,75	1,58	1,34	1,60	0,95
Backup speed (MB/sec.)	99,27	125,41	131,69	37,74	51,28	166,53	79,56	93,74	78,35	131,65
Image file size	519 GB	550 GB	730 GB	796 GB	708 GB	684 GB	743 GB	703 GB	623 GB	720 GB
Relativization of image file size (when setting AIP Level 2 as 1)	0,94	1,00	1,33	1,09	1,29	1,24	1,35	1,28	1,13	1,31
RESTORE										
Time to complete Restore task (hh:mm:ss)	1:54:15	1:48:35	1:31:39	5:48:26	3:44:52	8:37:11	3:04:52	25:09:39	21:09:39	8:10:37
Relativization of restore time (when setting AIP Level 2 as 1)	1,05	1,00	0,84	3,21	2,07	4,76	1,70	13,90	12,15	4,52
Restore speed (MB/vSec.)	149,38	157,18	186,22	48,98	75,90	33,00	92,32	11,31	12,93	34,79

* Test Data: 1TB (does not include system) 1,099,610,255,360 bytes 83,469 files 7,447 folders



NetJapan Europe Ltd.

info@netjapan.eu

www.netjapan.eu

+44 (0) 203 608 2710

+41 (0) 22 518 35 02

+49 (0)341 392 92 39-0

+39 0294756510



Scenario 2: Backups stored on a network shared folder

	ACTIVEIMAGE PROTECTOR 2016 R2 SP1			SYSTEM RECOVERY 16	BACKUP ADVANCED 11.7		SHADOWPROTECT 5.2.7	ARCSERVE UDP 6		
Vendors	NetJapan			Veritas	Acronis		StorageCraft	ARCserve		
Encryption	non	non	non	non	non	non	non	non	non	non
Compression ratio	-	-	High	Software	Max.	-	High	Standard	Standard	Max.
De-duplication feature	Level 1	Level 2	-	-	-	ON	-	ON	ON	-
Block size	2KB	4KB (default)	-	-	-	4KB	-	16KB (default)	4KB	-

BACKUP										
Time to complete Backup task (hh:mm:ss)	3:22:30	2:53:51	2:58:31	16:45:46	6:20:14	2:15:08	6:11:56	3:53:38	3:49:13	3:58:42
Relativization of backup time (when setting AIP Level 2 as 1)	1,16	1,00	1,03	5,79	2,19	0,78	2,14	1,34	1,32	1,37
Backup speed (MB/sec.)	84,28	98,17	95,60	16,97	44,88	126,30	45,89	73,05	74,46	71,50
Image file size	519 GB	550 GB	730 GB	796 GB	709 GB	684 GB	744 GB	703 GB	622 GB	721 GB
Relativization of image file size (when setting AIP Level 2 as 1)	0,94	1,00	1,33	1,09	1,29	1,24	1,35	1,28	1,13	1,31

RESTORE										
Time to complete Restore task (hh:mm:ss)	2:30:02	2:21:50	2:00:25	8:37:31	2:51:03	10:08:40	3:27:11	26:29:51	26:54:48	8:19:31
Relativization of restore time (when setting AIP Level 2 as 1)	1,06	1,00	0,85	3,65	1,21	4,29	1,46	11,21	11,39	3,52
Restore speed (MB/vSec.)	113,75	120,33	141,73	32,98	99,78	28,04	82,37	10,73	10,57	34,17

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