



# ActiveImage Protector 2018 performance comparison

(ActiveImage Protector vs the Competitors as of January 29, 2018)

## Scenario 1: Backups stored on a local disk

	ACTIVEIMAGE PROTECTOR 2018 M2			SYSTEM RECOVERY 16	BACKUP ADVANCED 12.5		SHADOWPROTECT 5.2.7	ARCSERVE UDP 6.5		
Vendors	NetJapan			Veritas	Acronis		StorageCraft	ARCserve		
Encryption	No	No	No	No	No	No	No	No	No	No
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	-
<b>BACKUP</b>										
Time to complete Backup task (hh:mm:ss)	2:54:41	2:19:51	2:01:29	7:32:11	1:58:48	4:56:18	3:34:30	2:52:41	3:27:26	2:05:38
Relativization of backup time (when setting AIP Level 2 as 1)	1,25	<b>1,00</b>	0,87	3,32	0,85	2,12	1,53	1,23	1,48	0,90
Backup speed (MB/sec.)	97,70	122,04	140,49	37,74	143,66	57,60	79,56	98,83	82,28	135,85
Image file size	519 GB	550 GB	730 GB	796 GB	552 GB	611 GB	743 GB	705 GB	623 GB	720 GB
Relativization of image file size (when setting AIP Level 2 as 1)	0,94	<b>1,00</b>	1,33	1,45	1,00	1,11	1,35	1,28	1,13	1,31
<b>RESTORE</b>										
Time to complete Restore task (hh:mm:ss)	2:09:22	1:55:52	1:35:38	5:48:26	4:25:01	9:34:08	3:04:52	3:37:31	4:21:18	1:40:08
Relativization of restore time (when setting AIP Level 2 as 1)	1,12	<b>1,00</b>	0,83	3,01	2,29	4,96	1,60	1,88	2,26	0,86
Restore speed (MB/vSec.)	131,92	147,30	178,46	48,98	64,40	29,73	92,32	78,46	65,31	170,44

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



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## Scenario 2: Backups stored on a network shared folder

	ACTIVEIMAGE PROTECTOR 2018 M2			SYSTEM RECOVERY 16	BACKUP ADVANCED 12.5		SHADOWPROTECT 5.2.7	ARCSERVE UDP 6.5		
Vendors	NetJapan			Veritas	Acronis		StorageCraft	ARCserve		
Encryption	No	No	No	No	No	No	No	No	No	No
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)	3:29:08	2:54:01	3:21:48	16:45:46	10:26:18	5:01:01	6:11:56	2:49:37	2:47:48	2:52:54
Relativization of backup time (when setting AIP Level 2 as 1)	1,20	<b>1,00</b>	1,16	5,78	3,60	1,73	2,14	0,97	0,96	0,99
Backup speed (MB/sec.)	81,61	98,07	84,57	16,97	27,25	56,70	45,89	100,62	101,71	98,71
Image file size	519 GB	550 GB	730 GB	796 GB	527 GB	610 GB	744 GB	705 GB	623 GB	721 GB
Relativization of image file size (when setting AIP Level 2 as 1)	0,94	<b>1,00</b>	1,33	1,45	0,96	1,11	1,35	1,28	1,13	1,31
RESTORE										
Time to complete Restore task (hh:mm:ss)	3:06:11	2:46:57	2:21:37	8:37:31	6:09:05	16:40:25	3:27:11	5:12:18	5:44:30	2:45:35
Relativization of restore time (when setting AIP Level 2 as 1)	1,12	1,00	0,85	3,10	2,21	5,99	1,24	1,87	2,06	0,99
Restore speed (MB/vSec.)	91,67	102,23	120,51	32,98	46,24	17,06	82,37	54,65	49,54	103,07

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

