

ActiveImage Protector - Functional Comparison by Edition
(as of April 8, 2014)

Backup Environment / Objective		Server Edition	Desktop Edition	Linux Edition	Virtual Edition		for Hyper-V with SHR	for Hyper-V Enterprise	IT Pro Edition	Cluster Edition
OS		Physical Environment	Physical Environment	Physical Environment	Virtual Environment	Virtual Environment	Virtual Environment	Virtual Environment	for IT Support Pro	Cluster Environment
		Windows	Windows	Linux	Windows	Linux	Windows	Windows	Windows	Windows
Backup Feature	Disk imaging backup	○	○	○	○	○	○	○	○	○
	Smart Sector Backup (backup of only used sectors)	○	○	○	○	○	○	○	○	○
	Hot imaging backup (hot backup)	○	○	○	○	○	○	○	○	○
	Cold imaging backup (cold backup)	○	○	○	○	○	x	○	○	○
	Hyper-V host system volume backup	○	○	—	—	—	○	○	○	—
	Cold imaging backup of VM ESXi 5 (Smart Sector)	○	x	x	○	x	—	—	○	○
	Deduplication Compression	○	○	○	○	○	○	○	○	○
	Command line execution support (parameter setting in command line)	○	○	○	○	○	—	○	○	○
	Incremental backup	○	○	○	○	○	○	○	x	○
	Differential backup	○	x	x	○	x	○	○	x	○
	Reconciling function which allows to continuously create incremental backup images even if a previously created incremental backup image is corrupted.	○	○	x	○	x	○	○	x	○
	Incremental backup of ReFS	○	x	—	○	—	x	○	x	○
	Smart Sector function enables from Windows side to backup Linux partitions in Ext2/Ext3/Ext4 formats	○	○	—	○	—	○	○	○	○
	Compression of backup images	○	○	○	○	○	○	○	○	○
	AES256 bit encryption	○	○	○	○	○	○	○	○	○
	Bad sector skip	○	○	○	○	○	○	○	○	○
	Backup file storage in local disk, network shared folders	○	○	○	○	○	○	○	○	○
	Save backup files to optical media such as CD-R / DVD-R or tape devices	x	x	x	x	x	x	x	x	x
Backup Option	Off-site replication (post-backup replication in remote locations for backup redundancy.)	○	○	x	○	x	○	○	x	○
	WebDAV replication support (designate webdav folders as a destination point for replicating backup files)	○	○	x	○	x	○	○	x	○
	Scheduled backup	○	○	○	○	○	○	○	x	○
	Retention Policy (to keep only specified number of backup image generation)	○	○	○	○	○	○	○	x	○
	Automatic backup during the shutdown process	○	○	x	○	x	x	x	x	○
	Throttling options (to adjust system resource usage priorities and assure backups don't interfere with other mission-critical processes.)	○	○	○	○	○	○	○	○	○
	Throttling network bandwidth usage	○	○	○	○	○	○	○	○	○
	Disk to disk copy	○	○	x	○	x	x	○	○	○
Snapshot Driver / Database	Built-in snapshot driver uses the Microsoft standard driver (Volsnap)	○	○	x	○	x	○	○	○	○
	Linux native snapshot driver	—	—	○ (in-house developed)	—	○ (in-house developed)	—	—	—	—
	Support for VSS (Volume Shadow Copy Service)-savvy applications such as SQL Server, Exchange Server, Oracle, etc.	○	○	—	○	—	○	○	○	○
	Point-in-time snapshots of multiple volumes (to ensure synchronicity)	○	○	x	○	x	○	○	○	○
Restore Feature	Support for MySQL database, Cybozu Garoon groupware	x	x	○	x	○	x	x	x	x
	Restore based on a disk image	○	○	○	○	○	○	○	○	○
	BMR (bare metal recovery)	○	○	○	○	○	x	○	○	○
	Shrink on the fly (to restore backed up NTFS volumes / copy NTFS volumes to lower capacity storage devices)	○	○	x	○	x	x	○	○	○
	Seamless Hot Restore(SHR): Start up a VM from an image backup	x	Supported only when Hyper-V is set up	x	x	x	○	○	○	x
	ReZoom function (restore individual VMs)	x	Supported only when Hyper-V is set up	x	x	x	○	○	○	x
	Restore Hyper-V hosted system volume	○	○	—	—	—	x	○	—	—
	Restore image file of entire Hyper-V host	○	○	—	—	—	x	○	—	—
	Restore system booted using recovery media (product media)	○	○	○	○	○	x	○	WinPE 3.1 base	○
	Pre-boot function	○	○	x	○	x	x	○	x	○
AIPBE boot environment (Windows PE) builder (wizard)	○	○	—	○	—	x	○	x	○	
Utilities	○	○	x	○	x	x	○	○	○	
Remote Management	Create custom recovery disk	Windows AIK/ADK required	Windows AIK/ADK required	○	Windows AIK/ADK required	x	x	Windows AIK/ADK required	Product media required	Windows AIK/ADK required
	Network setup tool for managing TCP/IP property, domain, network resources	○	○	x	○	x	○	○	○	○
Backup Image Management	Remote management capabilities (push installation of AIP agent, etc.)	○	○	○	○	○	○	○	x	○
	Restore files / folders (Mount Image feature)	○	○	○	○	○	○	○	○	○
	Consolidation of backup files	○	○	x	○	x	○	○	x	○
	Unification of backup files	○	○	x	○	x	○	○	x	○
Support for virtual environment	Multiple Disk Backup in One Image (backup multiple volumes / disks in one image)	○	○	○	○	○	○	○	○	○
	A.I.R. (restore backup image files to virtual / physical machine on a different server and hardware.)	○	○	x	○	x	x	○	○	○
	Enhanced virtual environment support (V2P, V2V, P2P, P2V)	○	○	Support for P2V only on some OS	○	Support for P2V only on some OS	x	○	○	○
	Conversion of AIP image files to VHDX VM file format	○	○	—	○	—	○	○	○	○
	E-Mail notification (via mail server with SSL/TSL connection such as Office 365 to a pre-set email address.)	○	○	x	○	x	○	○	x	○
	Support for uEFI native mode	○	○	○	○	○	○	○	—	○
	Support for GPT volume (boot, system, logical)	○	○	○	○	○	○	○	○	○
	Support for Windows Server 2012/2012 R2, Windows 8.1/8.0	2012/2012 R2	Windows 8.1/8.0	—	2012/2012 R2	—	2012/2012 R2	2012/2012 R2	○	2012/2012 R2
	Support for Windows Server 2012 R2 Hyper-V	○	x	—	—	—	○	○	○	○
Support for Hyper-V Server, free of charge, (Server Core)	x	x	—	—	—	○	○	—	—	

Others	Restore virtual machines on Windows 8 client Hyper-V	x	○	—	—	—	○	○	○	x
	Smart Sector backup of CSVFS volumes	○	x	—	○	—	x	○	○	○
	Support for hardware RAID, RAID0, RAID1 and RAID5 controller	○	○	○	○	○	○	○	○	○
	Support for software RAID	Backup / restore by volume	Backup / restore by volume	Backup by volume supports RAID0 0/1/5/10 (RAID0 SP1 or later). In the event that the number of spare disks is specified for RAID5/10, RCD does not recognize them. As for BMR, only full sector backup is supported. However, since point-in-time snapshot is not available, backup of RAID across multiple volumes does not ensure consistency of data (cold backup is recommended).	Backup / restore by volume	Backup by volume supports RAID0 0/1/5/10 (RAID0 SP1 or later). In the event that the number of spare disks is specified for RAID5/10, RCD does not recognize them. As for BMR, only full sector backup is supported. However, since point-in-time snapshot is not available, backup of RAID across multiple volumes does not ensure consistency of data (cold backup is recommended).	Backup / restore by volume	Backup / restore by volume	Backup / restore by volume	Backup / restore by volume
	Support for dynamic disk	Backup / restore by volume	Backup / restore by volume	—	Backup / restore by volume	—	Backup / restore by volume	Backup / restore by volume	Backup / restore by volume	Backup / restore by volume
	User interface	GUI/Wizard	GUI/Wizard	GUI/CLI/Wizard	GUI/Wizard	GUI/CLI/Wizard	GUI/Wizard	GUI/Wizard	GUI/Wizard	GUI/Wizard
Program installation on computer	Required	Required	Required	Required	Required	Required	Required	Not required	Required	
License	Server/Desktop License	Server/Desktop License	Server/Desktop License	Virtual Environment License or Cloud Environment License		Virtual Environment for Hyper-V License	Virtual Environment for Hyper-V License	IT Support Pro license	Clustered Environment License	
	1 license per backup source / restore target physical machine, OS	1 license per backup source / restore target physical machine, OS	1 license per backup source / restore target physical machine, OS	<Virtual Environment License> One license per physical machine with virtual environment. There are no restrictions on the number or the types of backup source / restore target OS's running in the single validly licensed virtual environment. <Cloud Environment License> One license for up to five virtual machines running on		One license for one backup source Hyper-V host machine.	One license for one backup source Hyper-V host machine. No restrictions on the number of Hyper-V guest to restore.	One license for one IT support professional (designed for system integrator) who is allowed to back up and restore an unlimited number of systems for one year.	One license for Microsoft Cluster Service (MSCS), Microsoft Failover Clustering (MSFC) environment configured on two physical / virtual machines.	
Product Editions and Versions	Server Edition (v3.5_SP4)	Desktop Edition (v3.5_SP4)	Linux Edition (v4.1)	Server Edition (v3.5_SP4) + Desktop Edition (v3.5_SP4) + Linux Edition (v4.1)		for Hyper-V with SHR (v3.5_SP4)	for Hyper-V Enterprise (v3.5_SP4)	IT Pro Edition (v3.5_SP4)	Cluster Edition (v3.5_SP4)	