

ActiveImage Protector solution comparison

(As of March 10, 2021) ※AIP=ActiveImage Protector

		AIP2018 Update 7 Virtual Edition						
		AIP 2018 Update 7 Server	AIP 2018 Update 7 Server with HyperAgent	AIP 2018 Update 7 Desktop	AIP 2018 Update 7 Linux	AIP 2018 Hyper-V	AIP 2018 Update 7 IT Pro	AIP 2018 Update 7 Cluster
Backup features	Hot/Cold backup	○	○	○	○	○	○	○
	Smart Sector Backup (backup of only used sectors)	○	○	○	○	○	○	○
	HyperBackup (Agentless backup)	—	○	—	—	—	—	—
	Deduplication Compression (IDDC)	○	○	○	○	○	○	○
	Command line execution support (parameter setting in command line)	○	○	○	○	○	○	○
	Incremental backup	○	○	○	○	○	—	○
	Changed Block Comparison™(CBC) Technology(analyzes a volume's file system and identifies changed blocks that need backing up)	○	○	○	—	—	—	○
	AES256 bit encryption	○	○	○	○	○	○	○
	GPT volume backup	○	○	○	○	○	○	○
	Bad sector skip	○	○	○	○	○	○	○
	USB SmartDetect	○	○	○	—	○	—	○
	Smart Sector function enables Windows to backup Linux partitions in Ext2/Ext3/Ext4 formats	○	○	○	—	—	○	○
	Backup file storage in local disk, network shared folders	○	○	○	○	○	○	○
	Backup Options	Scheduled backup	○	○	○	○	○	—
Retention Policy (keeps only specified number of backup image sets)		○	○	○	○	○	—	○
Mutiple schedule creation		○	○	○	○	○	—	○
Post backup process		○	○	○	○	○	—	○
BootCheck™		○	○	○	—	○	—	—
Scheduled incremental backup tasks can be suspended		○	○	○	○	○	—	○
Automatic incremental backup at shutdown		○	○	○	—	—	—	○
Automatic execution of missed backup tasks		○	○	○	○	○	—	○
Disconnect access to backup storage drives after backups complete(ImageIsolate)		○	○	○	○	—	—	○
Post-backup task options (automatic shutdown or system restart)		○	○	○	○	○	○	○
Throttling options (to adjust system resource usage priorities and assure backups don't interfere with other mission-critical processes.)		○	○	○	○	○	○	○
Network bandwidth throttling		○	○	○	○	○	○	○
Scripting		○	○	○	○	○	○	○

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	Replicate to Network shared folders, FTP, SFTP, WebDAV and Amazon S3, Azure, OneDrive, Google Drive etc.	○	○	○	○	by using ImageCenter LE	by using ImageCenter LE	○

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Recovery Features	Restore from a disk image	○	○	○	○	○	○	○
	File Recovery feature	○	○	○	○	○	○	○
	HyperRestore(restores physical or virtual machine backups to dissimilar hypervisors for more recovery flexibility and easier migrations)	—	○	—	—	—	—	—
	Restore multiple source images to multiple target disks in a single operation	○	○	○	○	○	○	○
	Bare Metal Recovery (BMR)	○	○	○	○	○	○	○
	Initializing and creating partitions on the bare metal disk.	○	○	○	only creating partitions	○	○	○
	ReZoom it! feature(restore by each virtual machine)	—	○	—	—	○	—	—
	Restore image file of entire Hyper-V host	○	○	○	—	○	—	—
	Linux based Recovery Environment (ActiveImage Protector Boot Environment=AIPBE) included	○	○	○	○	○	—	○
	AIPBE(ActiveImage Protector Boot Environment) Windows PE builder / wizard	Windows AIK/ADK is required	○	Windows AIK/ADK is required	—	Windows AIK/ADK is required	by using IT Pro Edition Creator	Windows AIK/ADK is required
	Boot from ISO, USB hard disk drive, USB flash memory or optical media	○	○	○	—	○	○	○
	AIPBE Pre-boot function	○	○	○	—	○	—	○
	GPT restore by volume or disk (including system volume)	○	○	○	○	○	○	○
	A.I.R. (restore backup image files to virtual / physical machine on a different server and hardware.)	○	○	○	—	○	○	○
	BCD recovery support for MBR boot environments.	○	○	○	—	○	○	○
	Shrink on the fly	○	○	○	—	○	○	○
Enlarge or reduce target volumes or partitions during recovery (only for NTFS)	○	○	—	—	○	○	○	
Snapshot driver/Database	Built-in snapshot driver uses the Microsoft standard	○	○	○	—	○	○	○
	Linux native snapshot driver	—	○	—	○	—	—	—
	Support for VSS (Volume Shadow Copy Service)-savvy applications such as SQL Server, Exchange Server, Oracle, etc.	○	○	—	—	○	○	○
	Point-in-time snapshots of multiple volumes	○	○	○	—	○	○	○
	Support for MySQL database, Cybozu Garoon	—	○	—	○	—	—	—

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Virtualization	Virtual environment support (V2P, V2V, P2P, P2V)	○	○	○	Support on some OSs	○	In Windows PE based boot environment, the conversion is performed on local disk	○
	Virtual conversion utility (convert to VHDX/VMDK) supported OS	Win Server 2012 or later	○	Win 8 or later	—	Win Server 2012 or later	Win Server 2012 / Win 8 or later	Win Server 2012 or later
	Virtulization Adapter (Injection of VM's driver)	○	○	○	—	—	○	—
	P2V conversion directly to VMware vSphere ESXi virtual environments	○	○	○	—	—	○	○
	Convert from physical disk to virtual disk	○	○	○	—	—	○	○
	Support for P2V disk on Windows PE	○	○	○	—	○	○	○
Image file management	ImageExplorer	○	○	○	—	○	—	○
	Image Mount (Granular File and Folder Recovery)	○	○	○	○	○	○	○
	iSCSI Serves Backup Image Files as iSCSI Targets	○	○	—	—	—	—	○
	Consolidation backup	○	○	○	○	○	○	○
	Remote Consolidation(Consolidation of incremental backup image files may be executed from ActiveImage Protector on remote PC)	○	○	○	○	○	○	○
	Archive (unification) backup	○	○	○	○	○	○	○
	Multiple Disk Backup in One Image (backup multiple volumes / disks in one image)	○	○	○	○	○	○	○
Remote management	Fully supports a central management console, ActiveVisor	○	○	○	△	○	-	○
	Push install for easy backup agent distribution	○	○	○	—	—	—	○
	Remote host connection	○	○	○	○	○	When one to one is available	○
	Client management console for easy administration of backup agents	○	○	○	○	○	—	○
Instant recovery	vStandby is incooperated	○	○	○	—	—	—	—
	HyperStandby (creates and maintains standby virtual machines from backup images for instant switch-over)	—	○	—	—	—	—	—
	Can be used with HyperBoot (HyperBoot is free add-on tool)	○	○	○	○ (needs Windows)	○	○	—

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Others	E-Mail notification (via mail server with SSL/TSL connection to a pre-set email address)	○	○	○	○	○	—	○
	Remote file explorer	○	○	○	○	○	○	○
	Support for uEFI native mode	○	○	○	○	○	○	○
	Smart Sector backup of CSVFS volumes	○	○	—	—	○	○	○
	Incremental Backup of CSVFS	○	○	—	—	Differential backup	—	○
	Update notification, Online update	○	○	○	○	○	available for IT Pro Edition Creator	○
	Support for hardware RAID, RAID0, RAID1 and RAID5 controller	○	○	○	○	○	○	○
	Support for software RAID	Backup / restore by volume	Backup / restore by volume	Backup / restore by volume	Support for RAID 0/1/5/10 (by volume)	Backup / restore by volume	Backup / restore by volume	Backup / restore by volume
	Support for dynamic disk	When the disk is simple or mirrored configuration, backup / restore is performed " by disk "and other than that "by volume"	When the disk is simple or mirrored configuration, backup / restore is performed " by disk "and other than that "by volume"	When the disk is simple or mirrored configuration, backup / restore is performed " by disk "and other than that "by volume"	—	Backup / restore by volume	When the disk is simple or mirrored configuration, backup / restore is performed " by disk "and other than that "by volume"	When the disk is simple or mirrored configuration, backup / restore is performed " by disk "and other than that "by volume"
	Monitor task log entries in Windows Event Log Viewer	○	○	○	—	○	○	○
Requires installation	Yes	Server Edition:required HyperAgent:not required	Yes	Yes	Yes	No	Yes	



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