ActiveImage Protector 2022 Solution Comparison

（As of Feb. 9, 2024）

ActiveImage Protector	Server	Desktop	Linux	Virtual	Server vPack	Cloud	Cluster	IT Pro
ActiveImage Protector (AIP)	Backup solution for Physical / Virtual machine of Windows Server	Backup solution for Physical / Virtual machine of Windows PC	Backup solution for Physical / Virtual machine of Linux Server	Backup solution for Virtual Environment on-premise	Backup solution for Virtual machine on Virtual /Cloud Environment	Backup solution for virtual machines on public cloud	Backup solution for Physical / Virtual machines on WSFC (Windows Server Failover Clustering)	Backup solution for IT Professionals
Backup features								
Hot / Cold Backup	O	O	O	O	O	O※1	O	O
Disk / Volume Backup	O	O	O	O	O	O	O	O
File / Folder Backup ※2	O	O	—	O	O	O	O	—
Common Internet File System （CIFS） Backup ※2	O	—	—	O	O	O	O	—
Exclude specific files/folders from backup ※2	O	O	—	O	O	O	O	—
Agentless Backup of Virtual machine	O※3	—	—	O※4	—	—	—	O
Incremental backup	O	O	O	O	O	O	O	O
Deduplication Compression （IDDC)	O	O	O	O	O	O	O	O
AES256 bit encryption	O	O	O	O	O	O	O	O
Scheduled backup	O	O	O	O	O	O	O	—
Mutiple schedule creation	O	O	O	O	O	O	O	—
Retention Policy (keeps only specified number of backup image sets)	O	O	O	O	O	O	O	—
Online backup of SQL Server、 Exchange and Oracle database ※2	O	O※5	—	O	O	O	O	O
Supports MySQL database and Cybozu Garoon groupware ※6	—	—	O	O	O	O	—	—
Incremental backup of Microsoft Cluster Shared Volumes File Systems （CSVFS）	—	—	—	—	—	—	O	—
Support for Vmware's First Class Disk (FCD)	O	—	—	O	O	—	—	—
Backup options								
Disconnect access to backup storage drives after backups complete(ImageIsolate)	O	O	O	O	O	O	O	—
Automatic backup upon shutdown ※2	O	O	—	O	O	O	O	—
Post backup process (BootCheck, Verify, Consolidation, and Replication)	O	O	O※7	O※7	O※7	O※7	O	—
Backup Replication：Using "ImageCenter" (Free add-on tool)※17	O	O	O	O	O	O	O	O
Throttling options (to adjust system resource usage priorities and assure backups don't interfere with other mission-critical processes.)	O	O	O	O	O	O	O	O
Network bandwidth throttling (to adjust network usage priorities)	O	O	O	O	O	O	O	O
Scripting （Executes user-defined scripts with backup task)	O	O	O	O	O	O	O	O
Command line execution	O	O	O	O	O	O	O	—
Disk-To-Disk Copy ※2	O	O	—	O	O	—	O	O
Backup Destination								
Actiphy StorageServer integrated in AIP's backup operation	O	O	O	O	O	O	O	O
Backup to local disk	O	O	O	O	O	O	O	O
Backup to network shared folder	O	O	O	O	O	O	O	O
Backup to Cloud Storage （Amazon S3, Azure, S3 compatible Object Storage）	O	O	O	O	O	O	O	O
Backup to Wasabi Hot cloud storage, Neutrix Cloud	O	O	O	O	O	O	O	O
Backup to LTO tape ※18	O	—	—	O※8	—	—	O	O
Backup to USB-connected HDD / SSD / flash memory	O	O	O	O	O	O	O	O
Backup to RDX (USB or iSCSI connected)	O	O	O	O※19	O※19	—	O	O
Backup to SFTP server	O	O	O	O	O	—	O	O
Boot Environment								
Linux Debian-based boot environment	O	O	O	O	O	—	O	—
Boot environment builder to create bootable media （Windows PE/RE based and Linux based） ※9	O	O	O※10	O※10	O※10	—	O	O※11
QuickRecovery, a pre-prepared recovery environment	O	O	—	O※2	O※2	—	O	—
RescueBoot: Boot recovery environment on AIP system boot menu	O	O	O	O	O	O※20	O	—
Remotely operate RescueBoot	O	O	O	O	O	O	O	—
Recovery Media Maker: bootable recovery media embedded with backup source machine's image / IT Pro Creator	O	O	—	O※2	O※2	—	O	O
Recovery Features								
Bare Metal Recovery (B.M.R.)	O	O	O	O	O	O	O	O
Disk / Volume Recovery	O	O	O	O	O	O	O	O
File / Folder Recovery	O	O	O	O	O	O	O	O
Restore a volume in the specified size ※2	O	O	—	O	O	O	O	O
A.I.R. (restore backup image files to physical machine on a different server and hardware.) ※2	O	O	—	O	O	—	O	O
HyperRecovery :Restore VMs to the different hypervisors	O	—	—	O※12	—	—	—	—
Restore virtual machines on Cloud (AWS / Azure / Google Cloud / Oracle Cloud) In-Cloud Recovery / RescueBoot ※22	O	—	—	O	O	O	—	—
ReZoom it! :restoring a specific virtual machine included in a backup image of the entire Hyper-V host. (Free add-on tool) ※2	—	—	—	O				

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Image file Management								
BootCheck : Automated backup "bootability" testing※2	O	O	—	O	O	—	O	—
Verify backup image file	O	O	O	O	O	O	O	O
Consolidation of incremental backup	O	O	O	O	O	O	O	O
Archive backup Image File	O	O	O	O	O	O	O	O
MD5 checksum (find if the backup was successful or not)	O	O	O	O	O	O	O	O
Deletion of backup image files	O	O	O	O	O	O	O	O
Backup image is mounted as file system	O	O	O	O	O	O	O	O
Image Explorer (allows you to browse and copy files and folders from AIP image file)（※2）	O	O	—	O	O	O	O	—
Image Target Server : utilizes iSCSI or NFS server to serve backup images as iSCSI targets ※2	O	—	—	O	O	—	O	—
Instant Recovery								
vStandby : Standby availability solution to replicate your physical / virtual machines directly to an VMware ESX/ESXi or Hyper-V host	O	O	—	O※2	O※2	—	—	—
HyperStandby : creates and maintains virtual standby machine from backup images for instant switch-over	O	—	—	O※16 ※21	O※16	—	—	—
HyperRecovery LIVE！: directly boots up the virtual machine from a backup image file, migrates the live virtual machine to restore target virtual disk in background. No need for recovery time. ※14	O	—	—	O※16	—	—	—	—
In-Cloud Standby: enables to replicate virtual standby machine on cloud environment by using a backup image file located in a storage accessible from cloud environment. ※2 ※15	O	—	—	O	O	O	—	—
HyperBoot :immediately boots backups images as virtual machine （Free add-on tool）	O	O	O※16	O※16	O※16	O※16	O	O
Virtulazation								
Convert a backup image file to virtual disk bootable as virtual machine (convert to VHDX/VMDK) ※2	O	O	—	O	O	—	O	O
Direct conversion from a hard disk to a virtual disk (convert to VHDX/VMDK)※2	O	O	—	O	O	—	O	O
Virtualization Adapter (driver for virtual machine can be injected into the current image file) ※2	O	O	—	O	O	—	O	O
Management and Monitoring								
Centralized management console : ActiveVisor （add-on free tool）	O	O	O	O	O	O	O	—
Remote management console	O	O	O	O	O	O	O	—
E-mail notifications including successfully completed backups and backup failure	O	O	O	O	O	O	O	—
Update notification, Online update ※2	O	O	—	O	O	O	O	—
Monitor task log entries in Windows Event Log Viewer ※2	O	O	—	O	O	O	O	—

※1：Supports hot backup only.

※2：Supports Windows machine only.

※3：You need to purchase a license for every backup source virtual machine.When backing up the server on which HyperBack (agentless backup feature) is installed, you need to purchase another license. When you need to back up more than two backup source virtual machines, ActiveImage Protector Virtual is recommended.

※4：Supports virtual machines on Hyper-V or VMware vSphere

※5：Exchange is not supported

※6：Supports Linux machine only.

※7：BootCheck is only available on Windows machine.

※8：Supports the physical machine with HyperAgent of ActiveImage Protector.

※9：When you build Windows RE-based AIP boot environment, you can create it by using Windows RE (Windows Recovery Environment), which is provided by Windows OS. In this case, you do not need to install Windows ADK

※10：Windows PE/RE-based AIP boot environment is not available on Linux machine. Please use Linux-based AIP boot environment.

※11：As for IT Pro edition, please use "IT Pro Creator" tool to create boot environment. "IT Pro Creatore" does not support Linux-based boot environment.

※12：Agent-based backup of Linux machine with LVM configuration is not supported.

※13：Backup of Linux machine is not supported

※14：HyperRecovery LIVE! boots directly a virtual machine from a backup while migrating the virtual machine to a restored target, eliminating a separate restore process.

※15：In-Cloud Standby maintains the most current backup images as bootable standby machines in the cloud ready to succeed a failed system.

※16：Backup of Linux machine with LVM configuration is not supported.

※17：Backup images saved on object storage are not supported.

※18：When you backup to LTO tape, only volume backup, HyperBack, volume recovery and HyperRecovery features are available.

※19：When "RDX data cartridge eject setting" option is enabled to back up virtual machine, please use iSCSI-connected RDX device.

※20：When RescureBoot is used on the virtual machine of Azure, installation of Windows ADK is required.

※21：Available only on machines with HyperAgent installed.

※22：Pleaes use the boot environment being booted from RescueBoot, when you restore the virtual machines on Google Cloud Platform (GCP) or Oracle Cloud Infrastructure （OCI）.

●For more information, please visit Actiphy's website at:
https://www.actiphy.com/global/

●As for the system requirements of each ActiveImage Protector's editons, please go to:
https://www.actiphy.com/global/support/system-requirements/

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