ActiveImage Protector™ 2018 Virtual Edition Update now includes NetJapan's HyperAgent™.

HyperAgent™ will backup virtual infrastructures without the need to install backup software on either the host or guest machines. Backup an unlimited number of virtual machines from a single host with ActiveImage Protector Virtual Edition.
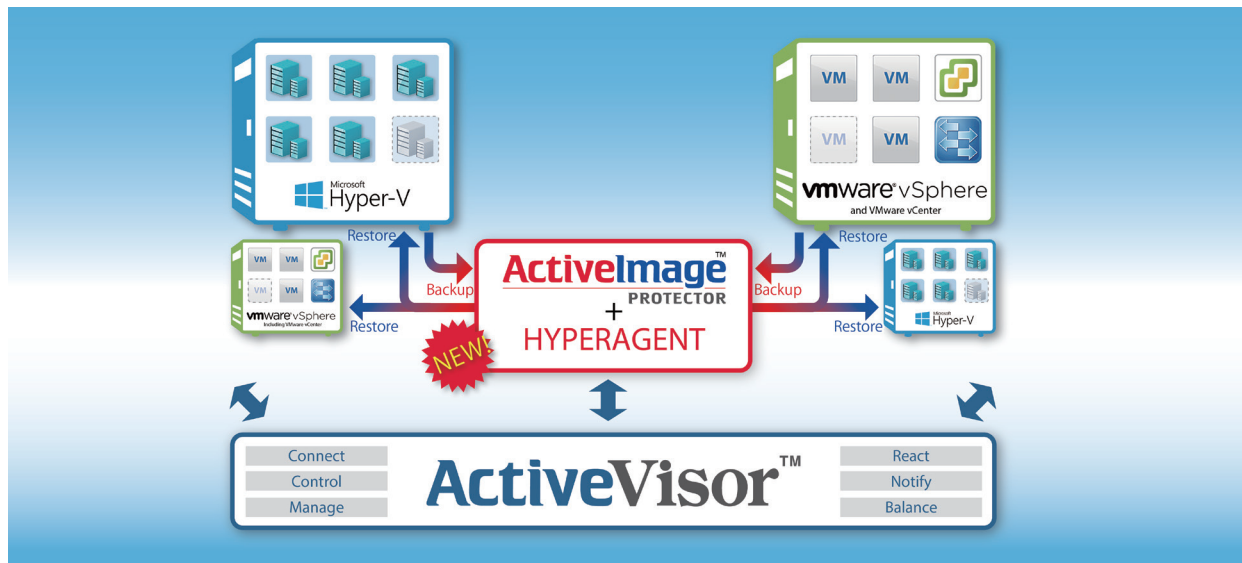
Additional Features of ActiveImage Protector Virtual Edition with HyperAgent

- No installed software required on host or guest machines
- HyperRestore™ restores physical or virtual machine backups to dissimilar hypervisors
- Minimizes the use of CPU and memory resources
- vStandby technology creates and maintains standby virtual machines from backup images for instant switch-over.
- Works seamlessly with the ActiveVisor centralized console for managing ActiveImage Protector clients
- Supports Microsoft Resilient Change Tracking for incremental backups of Hyper-V virtual machines

Edition Comparison Chart

	Virtual Edition	for Hyper-V	Server Edition
Backup Agent on Guest	**NO**	**NO**	YES
Agent or Appliance on Host	**Not Required**	YES	-
Consumption of Host and Guest Resources	**Very Limited**	Medium(Host) / Low(Guest)	Medium
Backup Target Type	Virtual machine	Entire Host	Physical/Virtual Machine
Individual Guest Restore	**YES**	YES (with ReZoom)	YES*

*Requires manual Virtual Machine creation and Restoration using AIP Boot Recovery Environment.

NEW ″HyperAgent™″

Backup virtual machines or host without installing a software agent. Additional features include HyperRestore (Hypervisor Agnostic Restore), HyperStandby (Virtual Standby), and File Restore (restore individual files or folders).
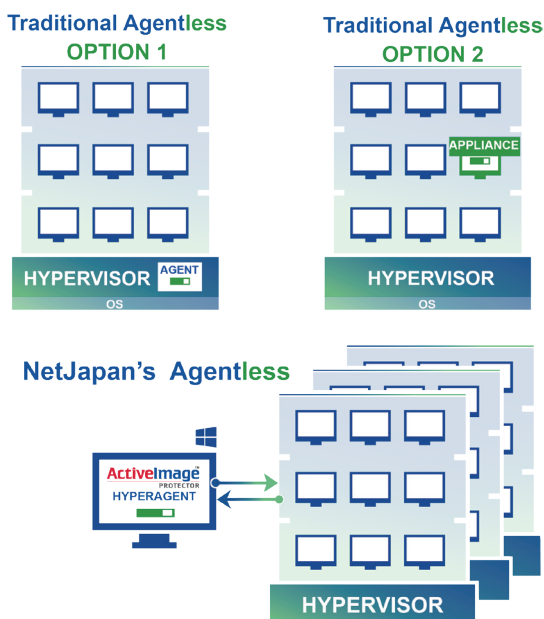
No Software Agent Installed on Guest!

Traditional Agent-based backup installs a backup agent on all virtual machines. In agentless backup, no backup agent is installed on the virtual machines.

Agent-based Backup

Agentless Backup

HYPERVISOR
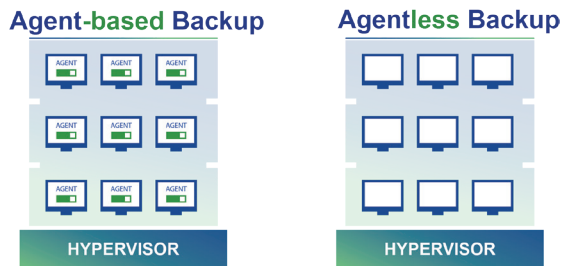
HYPERVISOR

No Agent Installed on Host!

So far, agentless backup either required an agent installed or a software appliance on the hypervisor. NetJapan's agentless backup requires no software agent in any form on the hypervisor.

Traditional Agentless OPTION 1

Traditional Agentless OPTION 2

APPLIANCE

HYPERVISOR AGENT
OS

HYPERVISOR
OS

NetJapan's Agentless

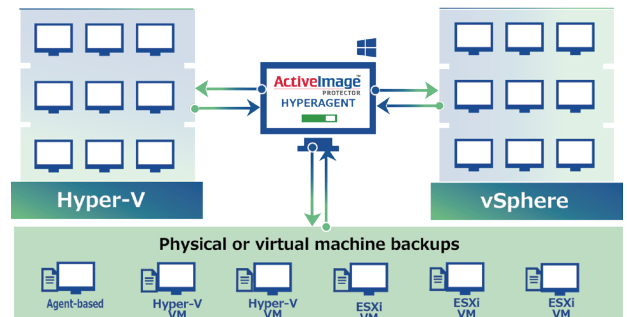ActiveImage PROTECTOR HYPERAGENT

HYPERVISOR

Minimizes the Use of CPU and Memory Resources

Typical agent-based backup of virtual machines consume large amounts of CPU and memory resources during various stages of backup. The HyperAgent, installed on a remote machine, runs the tasks minimizing the consumption of CPU and memory resources on host and guest machines. HyperAgent on Microsoft Storage Server achieves highly efficient storage driven virtual machine backups.

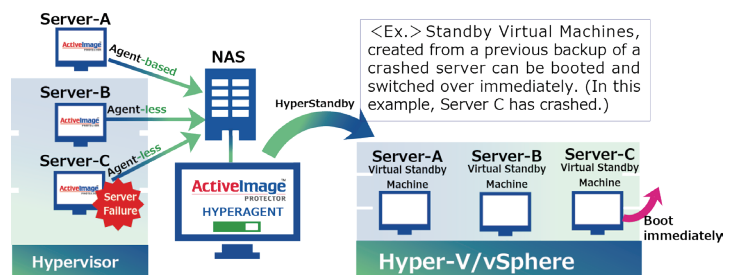## HyperRestore (Hypervisor Agnostic Restore)

Restore or migrate VMs to different hosts, or across different hypervisors.

Restores physical or virtual machine backups to dissimilar hypervisors

ActiveImage PROTECTOR HYPERAGENT

Hyper-V

vSphere

Physical or virtual machine backups

Agent-based | Hyper-V VM | Hyper-V VM | ESXi VM | ESXi VM | ESXi VM

HyperStandby

Uses NetJapan's vStandby technology to create and maintain standby virtual machines from backup images for instant switch-over.

Server-A
Agent-based

Server-B
Agent-less

NAS

HyperStandby

Server-C
Agent-less

Server Failure

ActiveImage PROTECTOR HYPERAGENT

Hypervisor

<Ex.> Standby Virtual Machines, created from a previous backup of a crashed server can be booted and switched over immediately. (In this example, Server C has crashed.)

Server-A Virtual Standby Machine

Server-B Virtual Standby Machine

Server-C Virtual Standby Machine

Boot immediately

Hyper-V/vSphere

Backup Multiple VMs into a Single Image

Backup multiple VMs into a single backup image and gain additional benefits from NetJapan's Inline Data Deduplication Compression (IDDC).

iSCSI Serves Backup Image Files as iSCSI Targets

ActiveImage Protector now utilizes iSCSI to serve backup images as iSCSI targets to any local or remote iSCSI initiator for mounting backup images as local disks; not only providing a method to recover files and folders from a backup, but provides immediate booting of backup images on a physical machine or hypervisor. Additionally, using VMware vMotion streamlines the recovery process by seamlessly migrating live virtual machines booted from the iSCSI disk to a hypervisor in a production environment.

Supports Microsoft's Resilient Change Tracking

For incremental backups of Hyper-V virtual machines.

NetJapan's Advanced VHDX Block Delta

NetJapan's Advanced VHDX Block Delta (AVBD) technology makes incremental backups of VMs without the need for an agent or driver installed on the Hyper-V host.