ActiveImage™ 2022 PROTECTOR

Nutanix AHV

Backup Solution Optimized for the Nutanix AHV Virtualization Platform

ActiveImage Protector™ 2022 Nutanix AHV is a backup solution optimized for virtual machines running on the Nutanix AHV platform. Agentless backup is supported without installing agents on virtual machines. Even when the number of virtual machines increases, it enables efficient backup operations while minimizing management overhead. V2V migration to Nutanix AHV environments is also enabled using backup data created on other virtualization platforms. A smooth migration to a new virtualization platform is supported while making effective use of existing system assets. (As of November 25, 2026, ActiveImage Protector supports only agent-based backup of Linux systems running on Nutanix AHV.)

Streamlined Backup Operations

Agentless backup and recovery of a single virtual machine is supported. Reducing backup management overhead, the selective restoration of individual virtual machine is useful in the event of a system failure.

Flexible Virtualization Platform Migration

Enables V2V migration to Nutanix AHV environments by leveraging backup data created in other virtualization platforms. It supports upgrading and optimization of IT infrastructure, including virtualization platform replacement and consolidation.

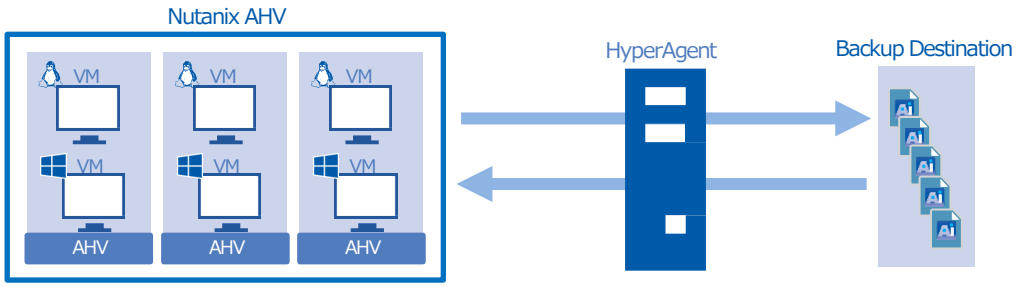
Broad Environment Support

Nutanix Network Segmentation, HotAdd, volume group (VG) are supported. Delivers flexible data protection and backup environment across diverse Nutanix AHV configurations.

Main Features

Agentless backups for Nutanix AHV virtual machines

ActiveImage Protector enables agentless backups using HyperAgent™ without installing ActiveImage Protector™ on virtual machines. Backup / Restore by VM feature is provided, allowing you to respond flexibly to individual system failures. Eliminating the need to install agents on guest operating systems, the deployment efforts and management overhead can be reduced. Efficient backup operations are ensured, even when the number of virtual machines increases.



Nutanix Network Segmentation Support

ActiveImage Protector supports Nutanix Network Segmentation. This enables backups in Nutanix AHV environment across separate management and dedicated iSCSI networks. Enables flexible backup operations tailored to network configurations, optimizing network traffic and supporting secure data protection for virtualized environments.

Nutanix Direct Attach (HotAdd) Support

ActiveImage Protector supports Nutanix AHV Direct Attach (HotAdd), temporarily attaching source disks to a backup VM for processing. This minimizes processing overhead on protected VMs and improves backup efficiency. While reducing the impact on virtual machines being backed up, efficient backup operations can be achieved.

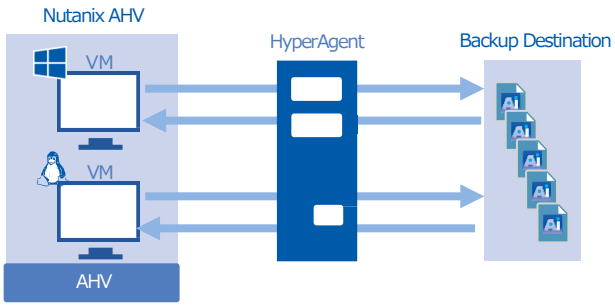
Volume Group (VG) support

ActiveImage Protector supports backup of virtual machines with Nutanix AHV volume groups (VGs) attached. Supports configurations that use volume groups in addition to virtual disks attached directly to virtual machines, providing flexible protection for systems running on Nutanix AHV.

Agentless Backup / Recovery in a Single Operation

Agentless backup using HyperAgent™ enables efficient backup and recovery without installing agents on virtual machines. In the event of a failure, virtual machines can be quickly restored to the state at the time of backup. Bare-metal recovery is also supported, enabling quick recovery to a new hardware environment and minimizing business downtime.

Backup / Restore by VM using HyperAgent™



File / Folder Recovery

The File / Folder Recovery feature optionally provides recovery of a single file or folder from a backup image of the entire system. Only accidentally deleted or modified data can be restored in stead of restoring the entire system, simplifying the recovery process and reducing processing overhead.

* Files and folders cannot be recovered directly from a backup in cloud storage. Please download the backup to a local folder or shared folder before performing the recovery.

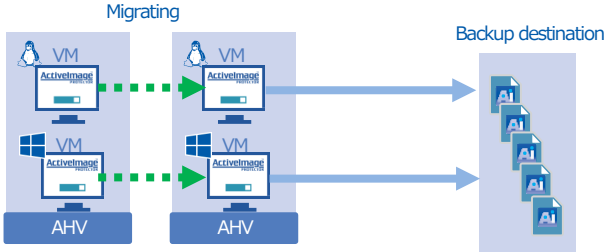
Recover specific files / folders from a backup file



Supports Migration in HCI infrastructure

Virtual machines migrated to HCI infrastructure are also supported. Automatically adapts to the new locations of migrated virtual machines, enabling continuous backup operations.

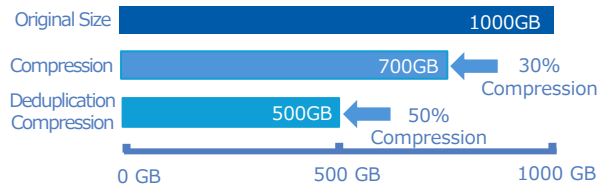
Continue backup operations by tracking migration destination



Incremental Backup & Compression Technologies

The changes from the previous backup are saved in an incremental backup file, saving backup process time and storage requirements. Our Inline Data Deduplication Compression (IDDC) feature eliminates duplicate data while simultaneously compressing it, resulting in a significant reduction in backup storage requirements.

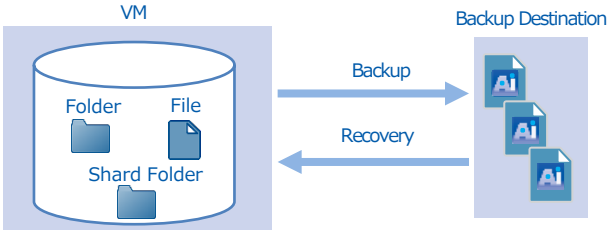
Data Deduplication Compression



Backup only specific data

In addition to backing up the entire system, you can also select specific folders and files to back up. You can also configure backup settings to exclude unnecessary data from backup source, helping optimize storage requirements and reduce backup times. It also supports backup of shared folders, making it suitable for protecting business data.

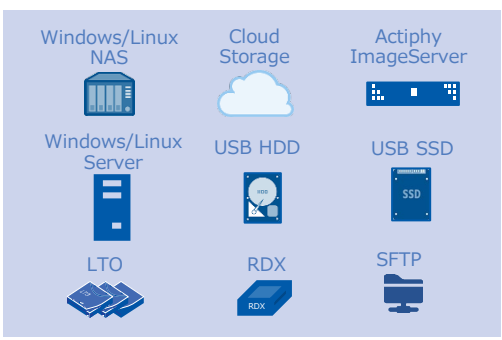
Back up specific folders/files



A variety of Storage Media are supported

Save your backups to any available storage location, including local HDD, USB storage, NAS, SAN, SFTP server, tape drive, and cloud storage services, etc., using a variety of system configuration and backup policies. Also supports hybrid backup environments built by combining on-premises and cloud infrastructure.

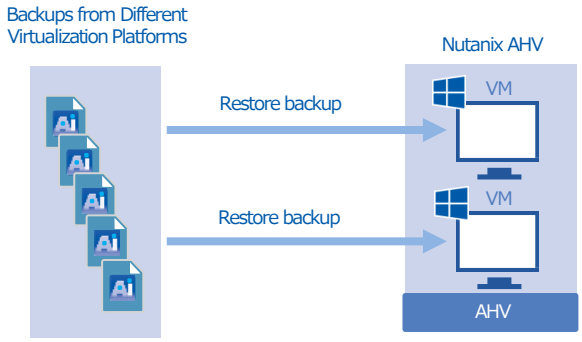
Backup Destination Storage



AHV Migration Support

Flexible recovery and migration to Nutanix AHV virtual environments is supported from backups created on different virtualization platforms. ActiveImage Protector™ can support strategic IT infrastructure management, including update of virtualization platform and consolidation.

Simple restoration completes migration

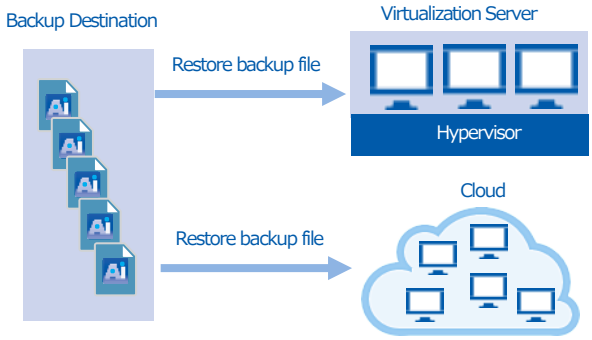


Expanded Virtualization Package Support

ActiveImage Protector's Virtualization Package now backs up virtual machines running on Nutanix AHV, enabling migration to other infrastructure platforms, including supported clouds, as IT needs evolve.

* ActiveImage Protector™ license is required for the destination virtual environment.

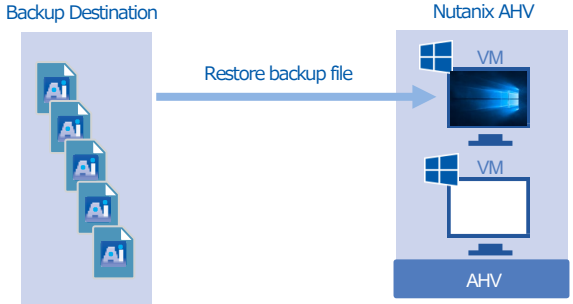
Migration to other infrastructure platforms



Instant Boot & Recovery

HyperRecovery™ LIVE! allows you to boot virtual machines directly from a backup file and perform recovery process in the background while keeping services running. Once the recovery process is complete, you can seamlessly switch to the production environment. This minimizes service downtime during recovery, effectively eliminating recovery wait time.

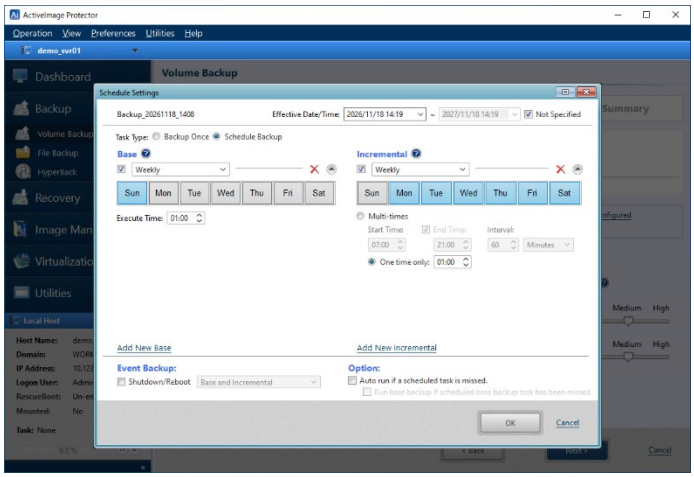
Boot VM directly from a backup file and perform recovery process



Flexible Backup Schedule & Image Retention Policy

Backup tasks can be automatically executed according to the one time, weekly or monthly schedule, or a specific day of a week, etc. Schedule baseline and recurring incremental backup tasks to run subsequently. The Image Retention Policy feature can be configured to automatically delete the obsolete backup image set when the number of backup image sets reaches the preset limitation and reduce the storage requirements.

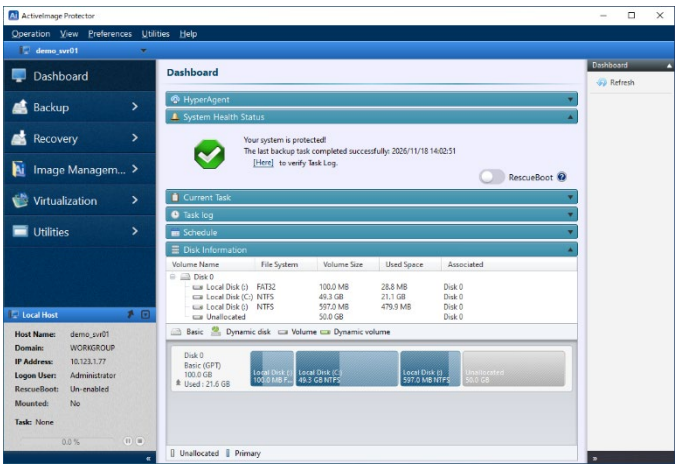
Example :
- Schedule full backup tasks on every Sunday.
- Schedule incremental backup from Monday to Saturday, once a day



GUI provides tools for efficient operations

ActiveImage Protector™'s GUI provides dashboard window, enabling real time monitoring of the status of backup / restore tasks, schedules, etc. Backup and Restore wizards make the software operation more intuitive. Remote management feature enables centralized management of managed client machines across multiple locations, reducing operational workload and improving management efficiency.

ActiveImage Protector™'s Management Console



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