DATASHEET

Actiphy ImageReplicator™

Dedicated replication solution for ActiveImage Protector™ backup images

What is Actiphy ImageReplicator™?

Actiphy ImageReplicator™, a free standalone software add-on, can automatically replicate ActiveImage Protector™ backup images to another storage or remote site, enhancing backup data protection and availability. Instead of storing backup data in a single destination, replicating backup data to remote storage locations can protect critical backup data from risks such as hardware failures, human errors, as well as data tampering or encryption caused by a ransomware attack. Furthermore, replication tasks are automatically executed according to the predefined schedules and processed on a dedicated server independent of the backup operation, minimizing the impact on the source backup system. This enables continuous and reliable backup data protection while minimizing the impact on business operations.

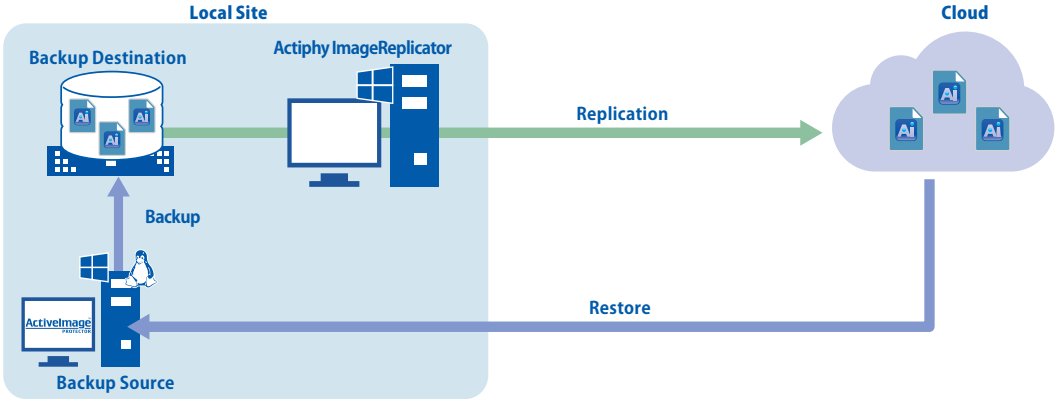
Role of Actiphy ImageReplicator™

Actiphy ImageReplicator™ enhances ActiveImage Protector™ and Actiphy ImageCenter™ with reliable and flexible backup replication. In addition, support for Object Lock further strengthens the security of your backup data. Replication as part of ActiveImage Protector™'s post-backup processing workflow runs on the backup source server and may present challenges such as system load impact on business operations and execution time constraints. With Actiphy ImageCenter™, backup data saved in subfolders under the destination path are also automatically included in the replication source, making it difficult to control the scope of replication source and complicating replication operations.

Case Scenario

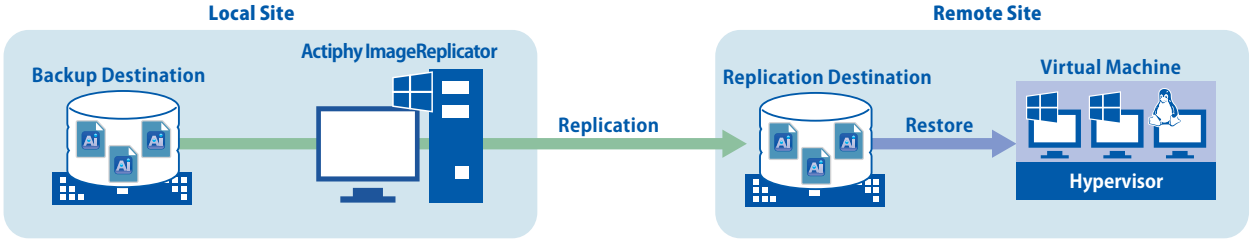
Protection against Ransomware Attack

Replication of backup data to cloud storage that is logically isolated from the production environment provides an environment that is less vulnerable to data tampering or encryption even in the event of a ransomware attack. Protection of backup data in a separate environment from the production system enables recovery from clean backups, thereby reducing the risk of damage.



Disaster Recovery (Deployment of DR site)

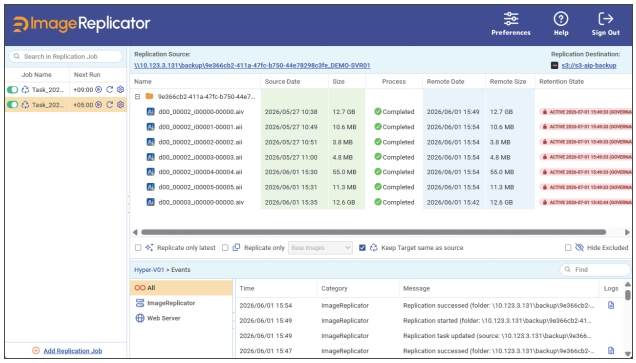
Replication of backup data obtained at the production site to a NAS at a remote site helps reduce the risk of physical system failures and large-scale disasters. Even when an unexpected disaster strikes, the latest backup stored at the remote site can be quickly restored (Recovery or Virtual Conversion), minimizing system downtime and ensuring business continuity.



Main Features

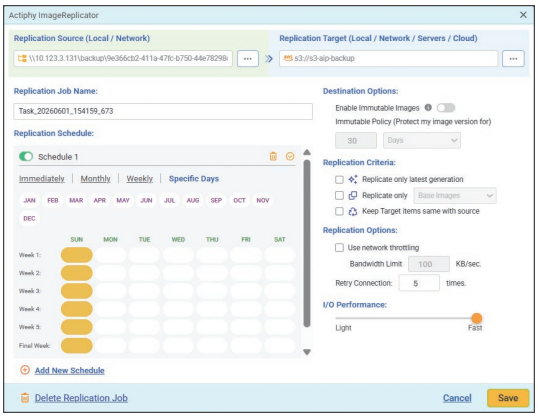
Real-Time Backup Monitoring

The main dashboard provides real-time visibility into replication activity, including replication source files, replicated files, timestamps, and job status. File management capabilities also let administrators delete individual files and copy files between source and destination locations.



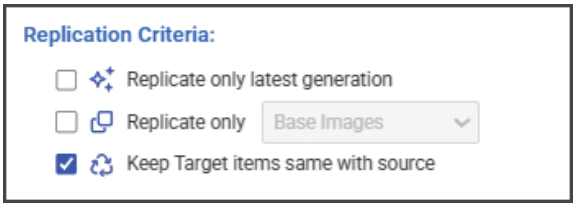
Scheduled Replication

Automated replication tasks eliminate manual operations, reducing human error and ensuring continuous data protection. Replication jobs can be configured per folder with flexible scheduling options, including immediate execution, daily, weekly, monthly, or on specified days of the week. Administrators can easily edit and execute jobs from the centralized job list.



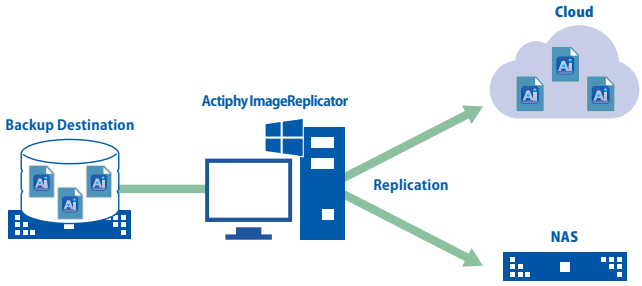
Efficient Replication Options

Multiple replication modes are available. The options help minimize data transfer, reduce network load, and improve replication efficiency.



Flexible Replication Targets

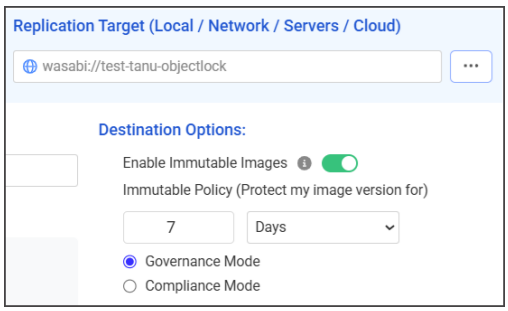
Actiphy ImageReplicator™ supports a wide range of replication targets, including local storage, NAS devices, network shared folders, and cloud storage services. By leveraging existing infrastructure, organizations can build data protection architectures that balance cost, availability, and security.



Immutable Backup Protection

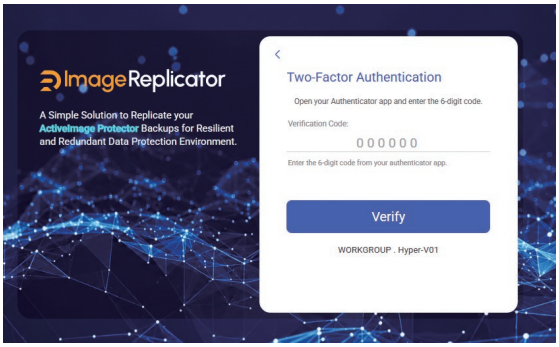
Object Lock support for AWS S3, Wasabi, and Microsoft Azure Storage helps protect replicated backup images from tampering or deletion. Immutable storage enhances ransomware resilience and safeguards critical backup data against unauthorized modification.

* Available for use with Amazon S3, Wasabi, and Microsoft Azure.



Enhanced Security with Two-Factor Authentication

Actiphy ImageReplicator™ supports multi-user administration with role-based operational management. In addition to password authentication, two-factor authentication (2FA) helps protect against unauthorized access and credential compromise.



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