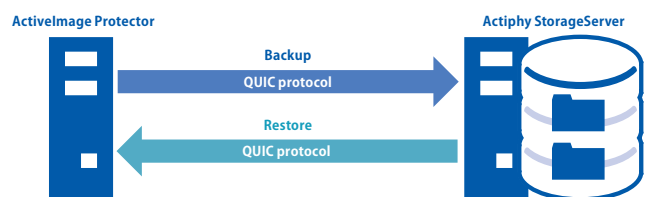# Actiphy StorageServer™

Secured backup storage for exclusive use with ActiveImage Protector™

Actiphy StorageServer™ enables to build secured backup storage for exclusive use with ActiveImage Protector™ by installing ActiveImage Protector™ agent on destination server and using cache device. The use of Actiphy StorageServer™, as an independent destination storage for backup operation, protects the backup image files from being compromised by a ransomware attack. Actiphy StorageServer™ uses QUIC protocol for data transmission, enabling to transfer data more safely with high reliability and ensuring the security for the communication path. Actiphy StorageServer™ is available in Windows and Docker editions.
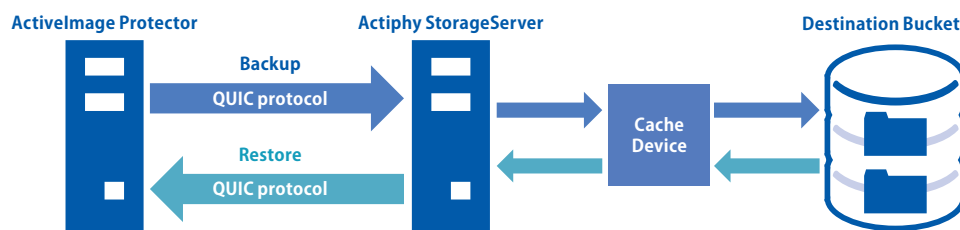
Safeguard backup files from ransomware attack

Actiphy StorageServer™ enables to add a bucket on server of the destination storage dedicated to ActiveImage Protector™ backup operation. Since the bucket is created without using network share, the risk of ransomware virus infection can be mitigated. Actiphy StorageServer™ uses QUIC protocol enabling to enhance data transfer speed and ensuring the security for backup data communication path.

ActiveImage Protector　　**Actiphy StorageServer**

Backup
QUIC protocol

Restore
QUIC protocol

Stable backup process speed

The use of HDD storage device, delivering relatively slow read and write speeds, may cause some data in wait for writing to the storage and result in longer backup process. Actiphy's StorageServer™ is engineered to take advantage of cache device in storage server such as USB SSD, delivering faster data transfer speed than the destination storage device, that secures stable backup process and speed. According to our test results, when drawing a comparison between with the use and without the use of a cache device, the use of a cache device made backup process 6 times faster than without the use of cache device.

ActiveImage Protector　　**Actiphy StorageServer**　　**Destination Bucket**

Backup
QUIC protocol

Restore
QUIC protocol

Cache
Device

Easy implementation and Web console operation

Actiphy StorageServer™ does not require a high-spec server. Simply install Actiphy StorageServer™ option on an existing NAS or Windows / Linux machine, and you can use Actiphy StorageServer™ as the secure destination storage dedicated to ActiveImage Protector™ backup operation. Actiphy StorageServer™'s Web console provides tools for efficient operations, i.e., adding a bucket in destination storage, configuring the settings for cache device, monitoring receiving / transferring data amount, etc.
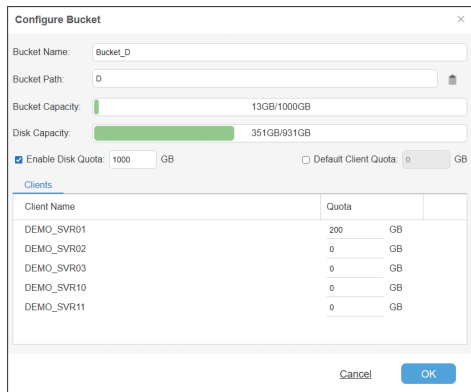
Actiphy StorageServer™ Web Console

Actiphy StorageServer™ Web Console
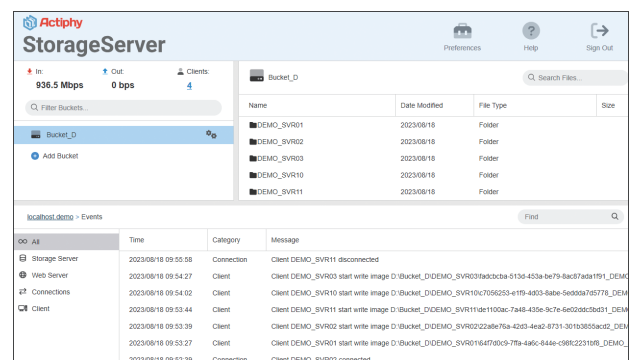
Create and configure the settings for a new bucket

You can create a new bucket to destination storage and configure the settings for the maximum limit of the storage space (quota) for the respective buckets or clients.
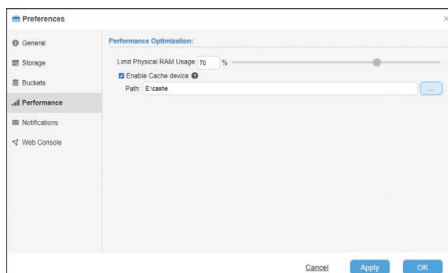
Monitor event log records

Event pane provides real-time monitoring of add / delete for the remotely connected clients, the added buckets, the status of backup tasks and history of task execution.

Add cache device

Actiphy StorageServer™ allows you to specify the maximum physical RAM usage on system for primary cache, and cache device to add as secondary cache. The use of cache device faster than the storage which a bucket is added contributes to substantially enhance the performance of backup process.

Alert Feature

E-Mail notification is sent when the specified event occurs, i.e., remotely connected new clients, failed / succeeded task status, insufficient available space in bucket. SSL / TSL mail server is supported.
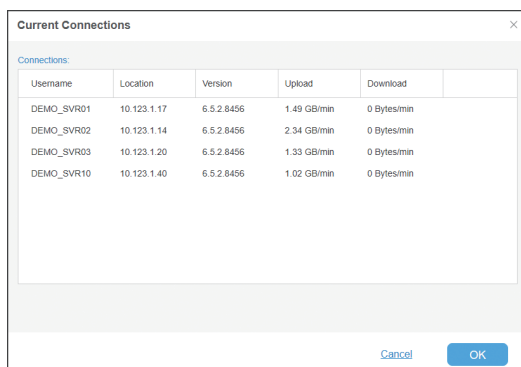
Current communication status and connected clients

This window provides real-time monitoring of the current communication (received and transmitted data) status of the connected clients.
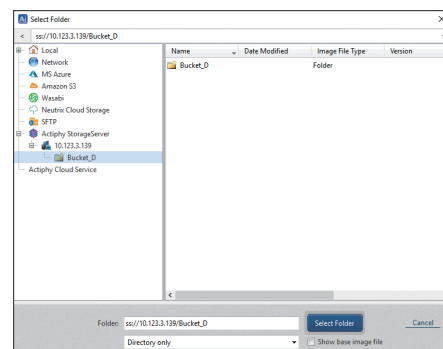
Integrate Actiphy StorageServer™ in ActiveImage Protector™ to provide backup storage destination

Integrate Actiphy StorageServer™ in ActiveImage Protector™ backup operation as the destination storage. Specify and use Actiphy StorageServer™ as backup storage destination on client server.

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