Actiphy ImageReplicator
Setup Guide

3rd Edition September, 2026

Actiphy

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1. Overview

Actiphy ImageReplicator, a standalone software add-on, automatically replicates ActiveImage Protector backup images to different storages at remote site. Replication of backup data to remote storages can protect critical backup data, enhancing backup data protection and availability. This set-up guide will show you how to install and configure Actiphy ImageReplicator.

1. Please visit our online help for more detailed information at:
   https://webhelp.actiphy.com/AIR/v1/en_US/help/

2. Please ensure your computer meets these minimum system requirements before using Actiphy ImageReplicator. For the latest system requirements, please visit Actiphy's Web site at:

   https://www.actiphy.com/global/product/actiphy-imagereplicator/#system-requirements

2. Installation

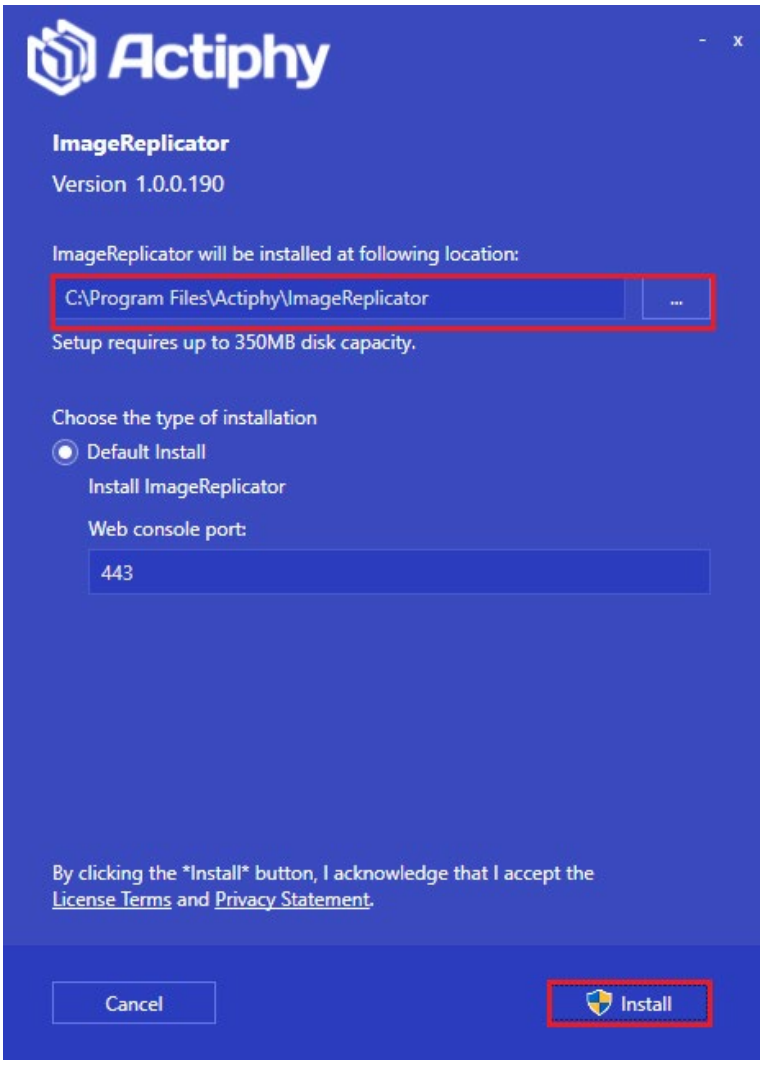
The following steps will show you how to install Actiphy ImageReplicator on the computer :

1. Double-click on the setup program (ImageReplicator_v100_bxxx.exe) for Actiphy ImageReplicator to launch the installer.

   *The setup program is downloadable from Actiphy's Web site at:
   https://www.actiphy.com/global/download/update/

2. Once you have the Actiphy ImageReplicator install screen running, click **[Install]** button to start the installation process.

   Or, you can specify any installation path at **[Actiphy ImageReplicator will be installed at the following location:]**.



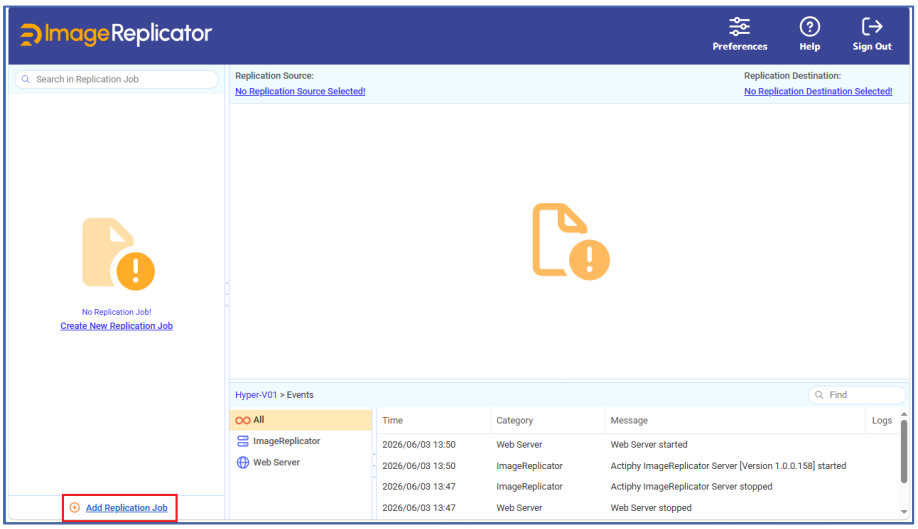
3. Click on the **[Done]** button when the installer has finished. You do not need to reboot your system after installation.

3. Create Replication Task

Please use the following steps to configure regularly scheduled Replication tasks.

1. Launch Web console for Actiphy ImageReplicator.
   Start ImageReplicator by clicking on the Windows Start menu and selecting **[Actiphy]** → **[ImageReplicator]**.
   Or, click on ImageReplicator icon on your desktop.

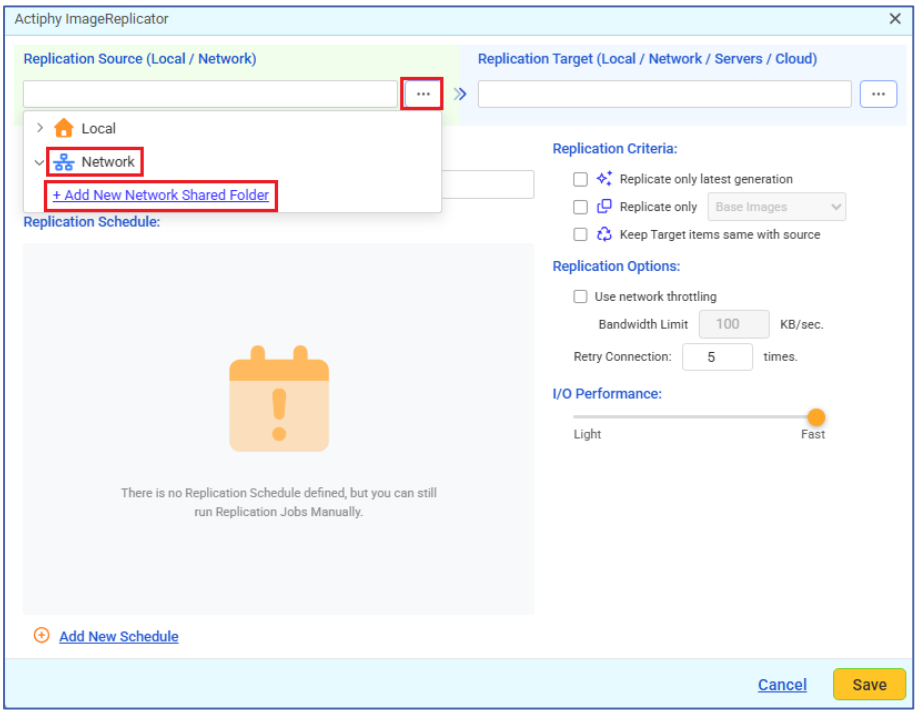
2. The following provides the operating procedures how to create Replication task.
   Click **[Add Replication Job]** at the bottom of the left pane.



3. Please select the replication source folder.

   Click **[…]** for **[Replication Source (Local / Network)]** in the upper-left of the console, select **[Local]** or **[Network]** for the source folder.

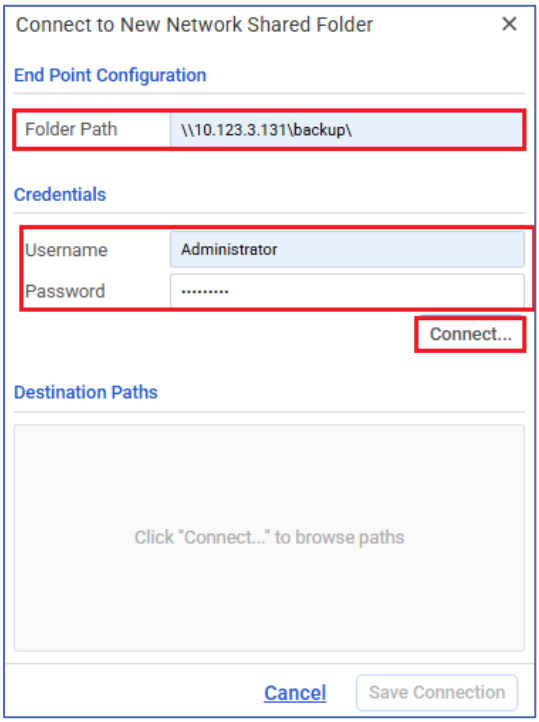
   Select **[Network]** in this example and click **[Add New Network Shared Folder]**.



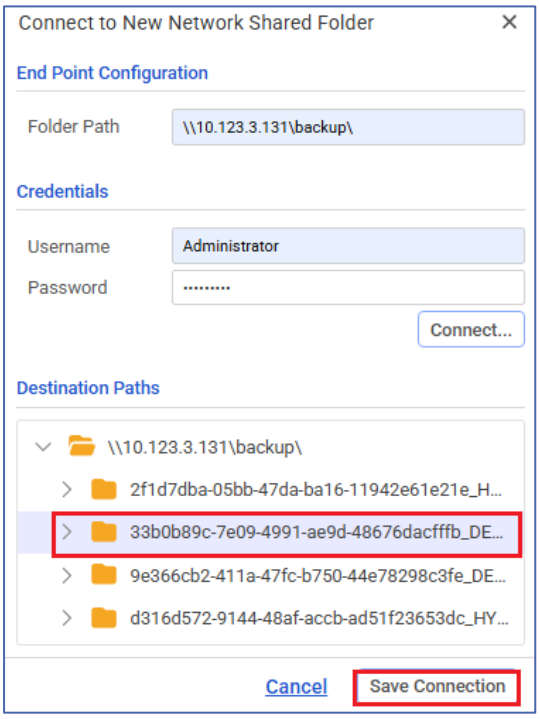
4. Select a destination folder for the backup images.

   The following example shows that a network shared folder "¥¥10.123.3.131¥backup" is specified as the destination folder.

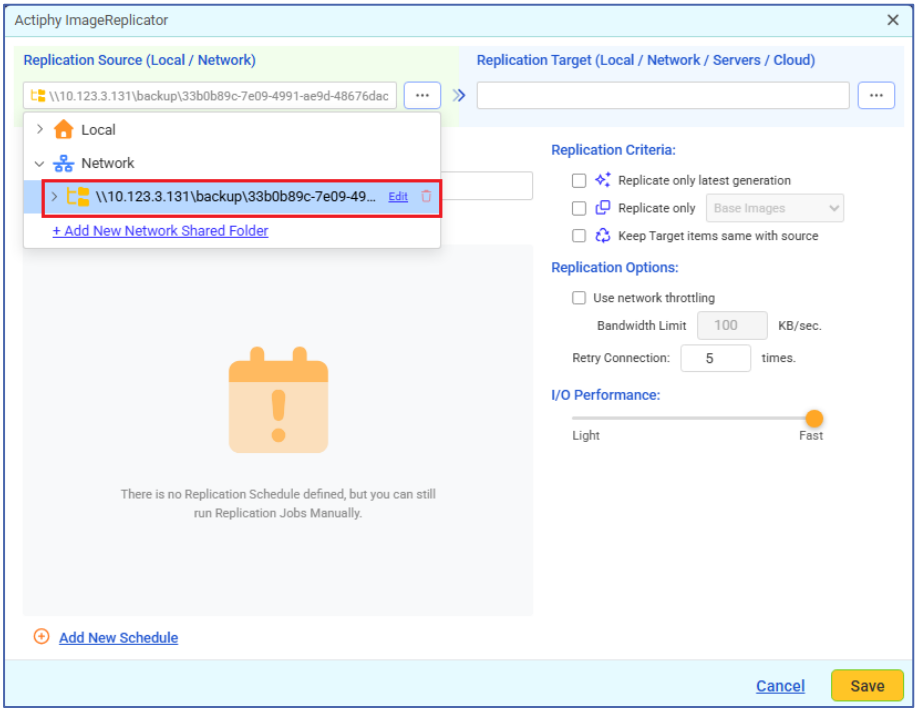
   Enter " ¥10.123.3.131¥backup" for the **[Folder Path]**, "Administrator" for **[User Name]** and **[Password]** you configured. Click **[Connect…]**.



5. Select the backup destination folder where backup files are located.
   When accessing shared folder, the backup destination folders for the respective backup tasks are displayed in tree in **[Destination Paths]**. Select the backup destination folder for the replication source computer and click **[Save Connection]**.



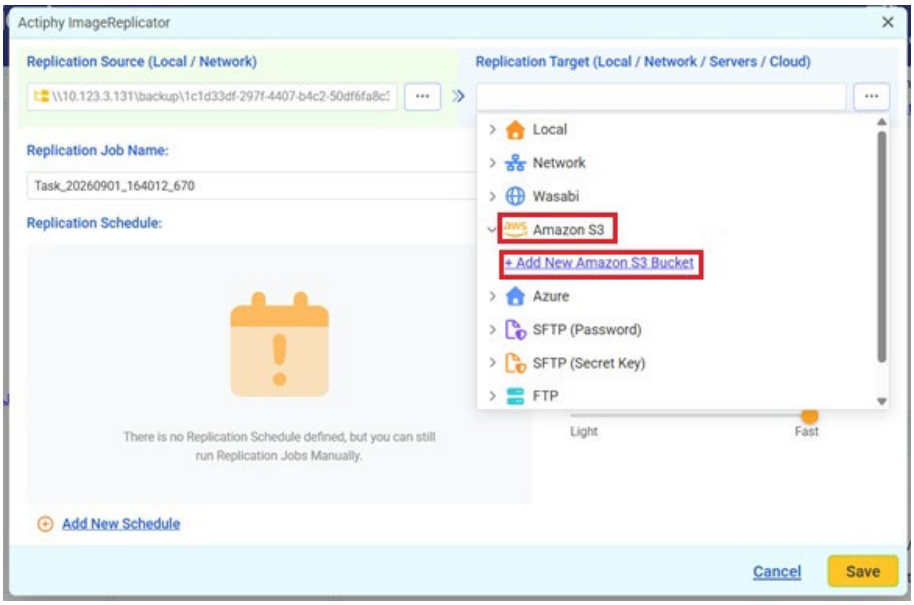
6. The selected backup destination folder is added in **[Replication Source (Local/Network)]**.



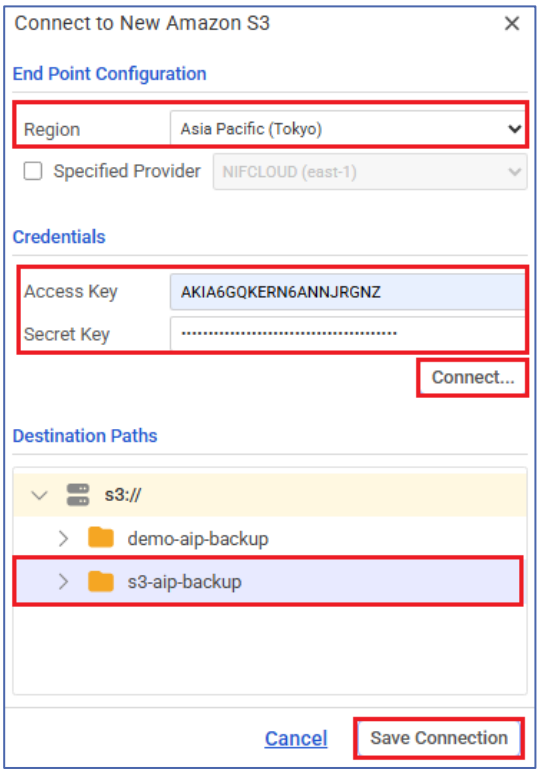
7. Select Replication target.

   Click **[...]** and select a replication target from **[Replication Target (Local / Network / Server / Cloud)]** at the upper-right corner of the console. You can select a replication target from local storage, shared folder or cloud storage.

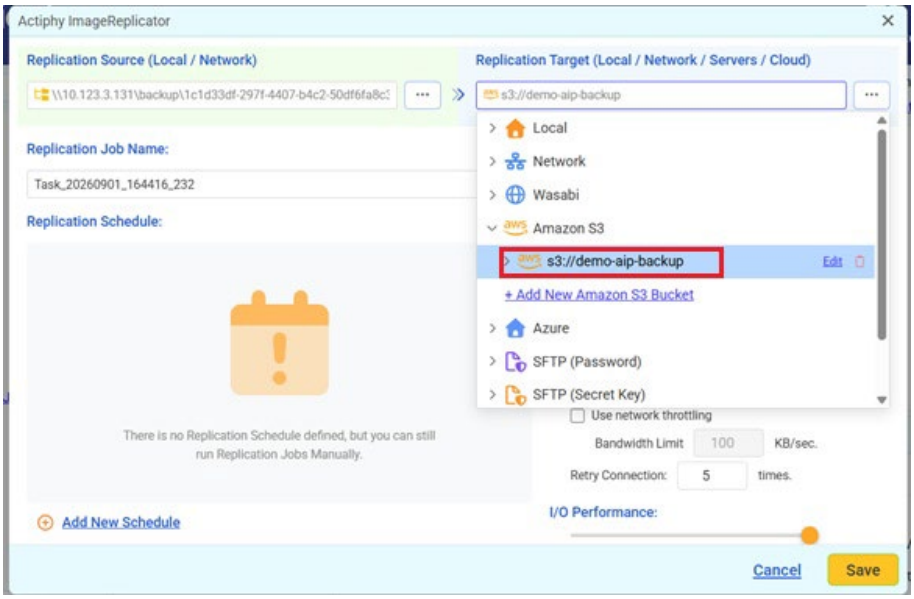
   In this example, we have selected cloud storage **[Amazon S3]** and **[Add New Amazon S3 Bucket]**.



8. This example shows that “Amazon S3” is selected.
   Enter the **[Access Key], [Secret Key]** and select **[Region]**. Click **[Connect....]**.
   Select the bucket or a folder and click **[Save Connection]**.



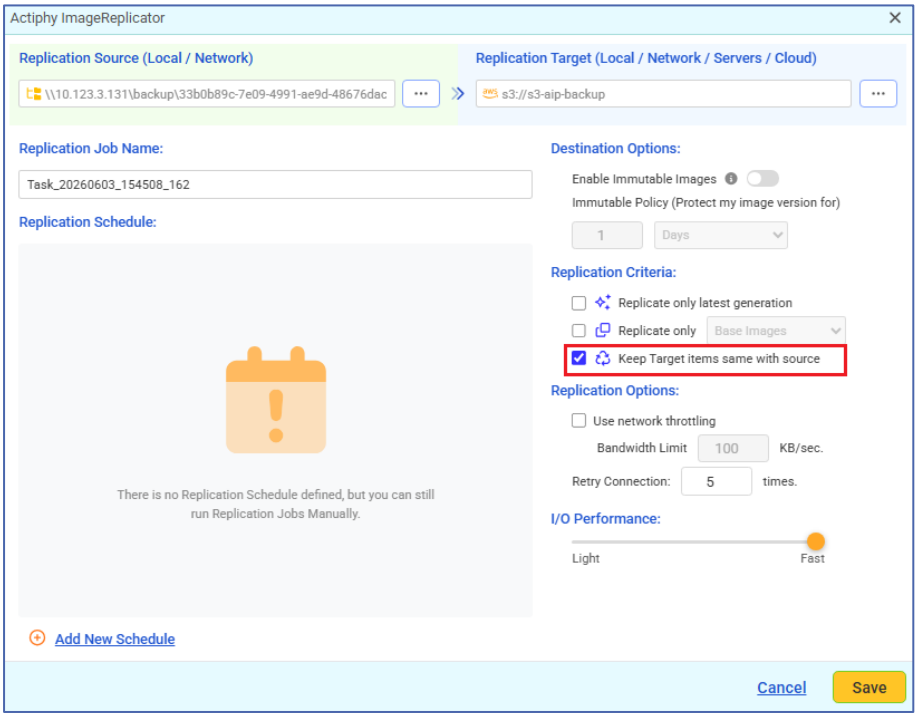
9. The selected replication target is added in **[Replication Target (Local / Network / Server / Cloud)]**.



10. Select a replication criteria.

Select an criteria option from **[Replicate only latest generation]**, **[Replicate only (backup type)]** or **[Keep target items same with source]**.

In this example, we have selected **[Keep target items same with source]** option so that the backup files in the destination folder mirror the target files.



(1) Replicate only the last generation

Check the box to enable replication of only the last generation of backups.

* One generation is managed as a group of a base (full) backup together with the associated incremental chain.

(2) Replicate only xx

Check the box to enable replication of only base or incremental backups.

(3) Keep target items same with source

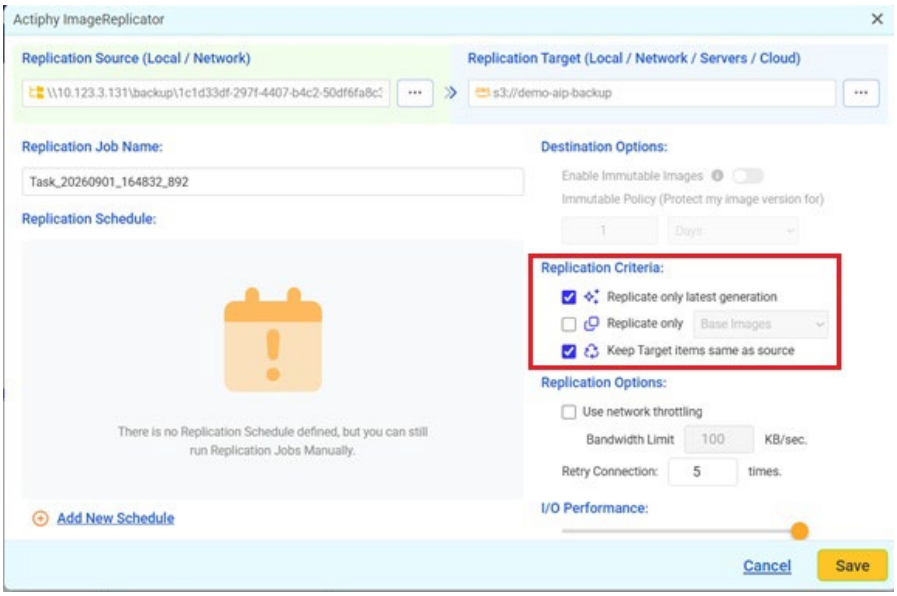
Check the box so that the target files mirror the files from the source.

11. Examples of the configuration settings

(1) When saving backup image files of the latest generation only in replication target

Enable: **[Replicate only the latest generation]**, Disable: **[Replicate only xx],** Enable: **[Keep target items same with source]**

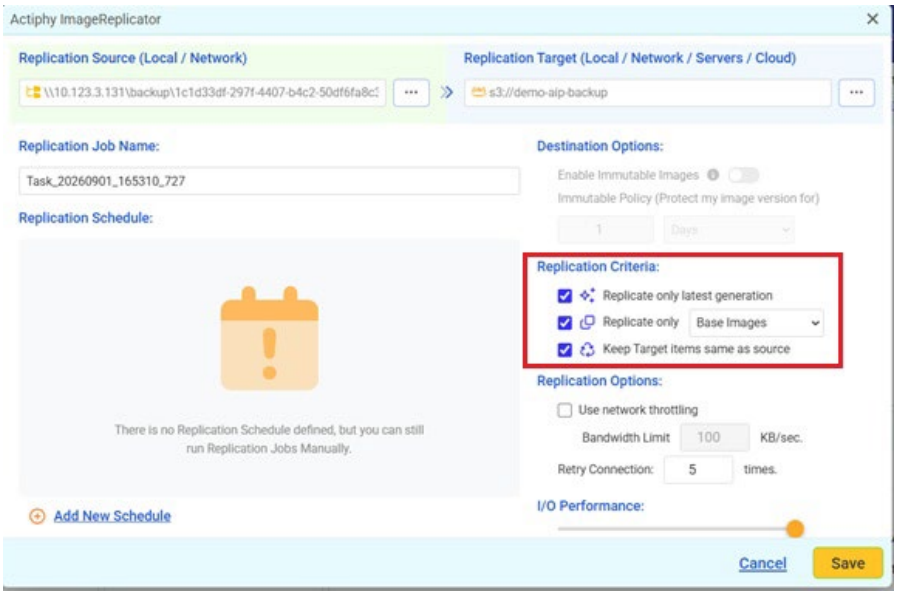
When a new generation of backup is created in the source, the older generation of backup will be automatically deleted from the target upon execution of the subsequent replication task.



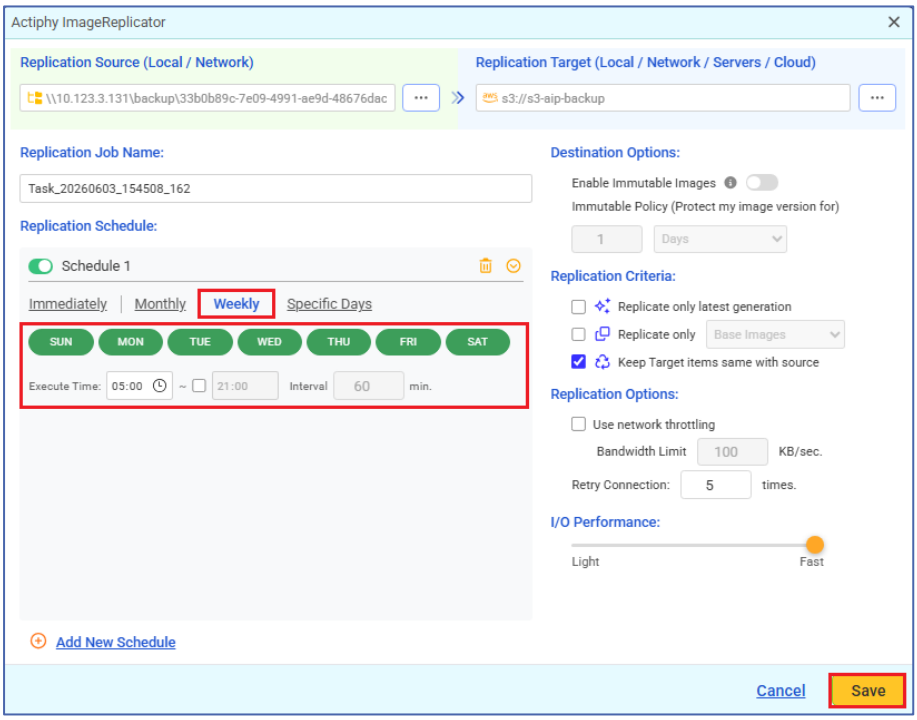
(2) When saving the specified backup image type only in replication target

Enable: **[Replicate only the latest generation]**, Enable: **[Replicate only xx],** Enable: **[Keep target items same with source].**

When a new generation of base (full) or incremental backup file is created in the source, the older generation of backup in the replication target will be automatically deleted upon execution of the subsequent replication task.



12. Please use the following steps to configure regularly scheduled replication tasks.
    Schedule type options include **[Immediately]**, **[Monthly]**, **[Weekly]**, **[Specific Days]**.
    In this example, we are configuring our replication to run weekly at 5:00 a.m.
    After configuring the schedule, click **[Save]** to save the configured task settings. Thereafter, the replication tasks automatically run according to the predefined schedule.

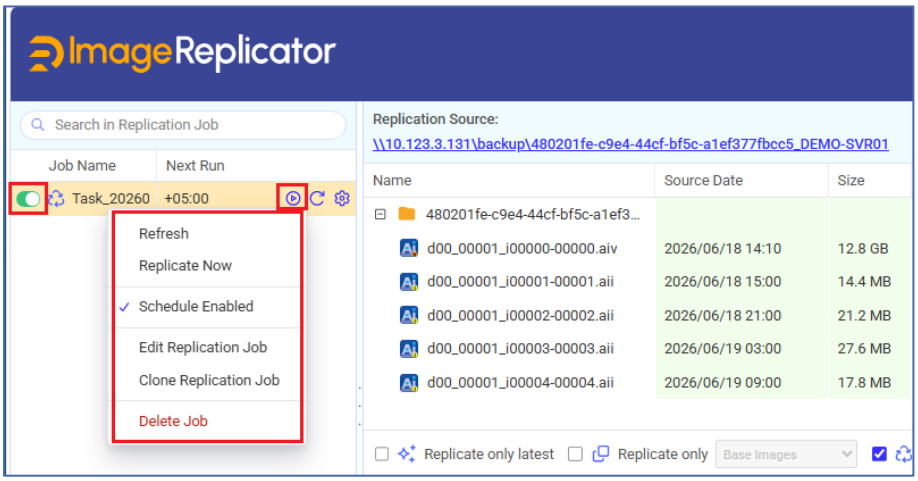


4. Management of Replication Tasks

The created tasks are listed in the console window and you can monitor the information displayed for **[Job Name]** and **[Next Run]**. The following provides the explanation of operating procedures for managing the created tasks.

1. How to manage Replication Tasks

   Hover the cursor over the task name, then right-click an item in the menu to manage the tasks.



(1) Manually run / stop task

When you manually run a created task for operation check, etc., select **[Replicate Now]** from the right-click menu or click the **[Play]** button on the right side. If stopping a task, select **[Stop Replication Job]**.

(2) Enabled/Disabled a schedule

To temporarily disable a schedule for maintenance or other reasons, clear the check mark next to **[Schedule Enabled]** in the context menu, or switch the toggle button on the left to OFF. To enable the schedule again, select **[Schedule Enabled]** from the context menu, or switch the toggle button on the left to ON.

(3) Edit task settings

When editing replication task settings, select **[Edit Replication Job]** in the right-click menu.

(4) Copy tasks

When copying a replication task, select **[Clone Replication Job]** in the right-click menu.

(5) Delete tasks

When deleting a replication task, select **[Delete Job]** from the right-click menu.

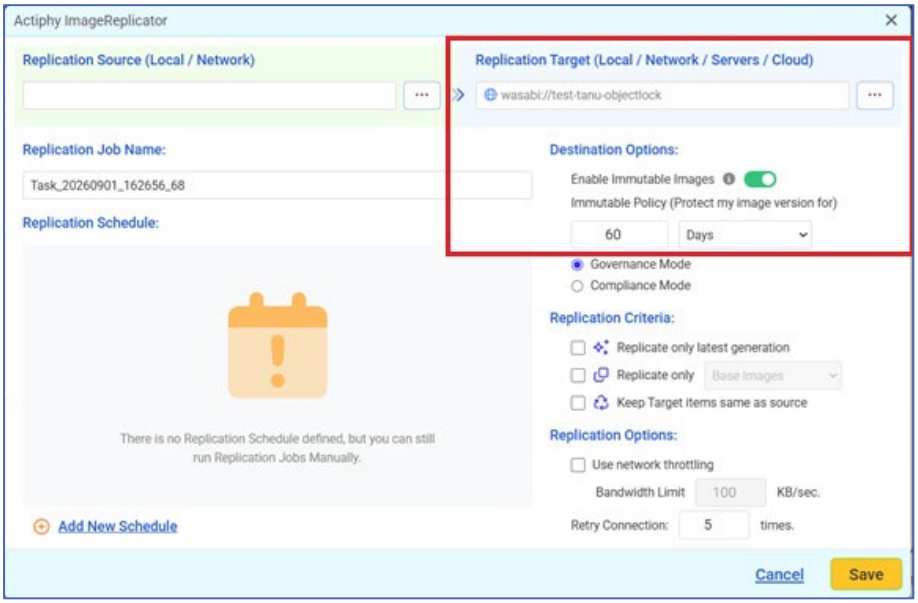
Once a task is deleted, it cannot be undone. Please make sure you want to delete the task before proceeding.

5. Object Lock Settings

Object Lock support for AWS S3, Wasabi, and Microsoft Azure storages helps protect the buckets. Enable **[Enable Immutable Images]** under **[Destination Options]**. The bucket's Object Lock settings are overwritten. Governance Mode retention period is applied to each backup image set.

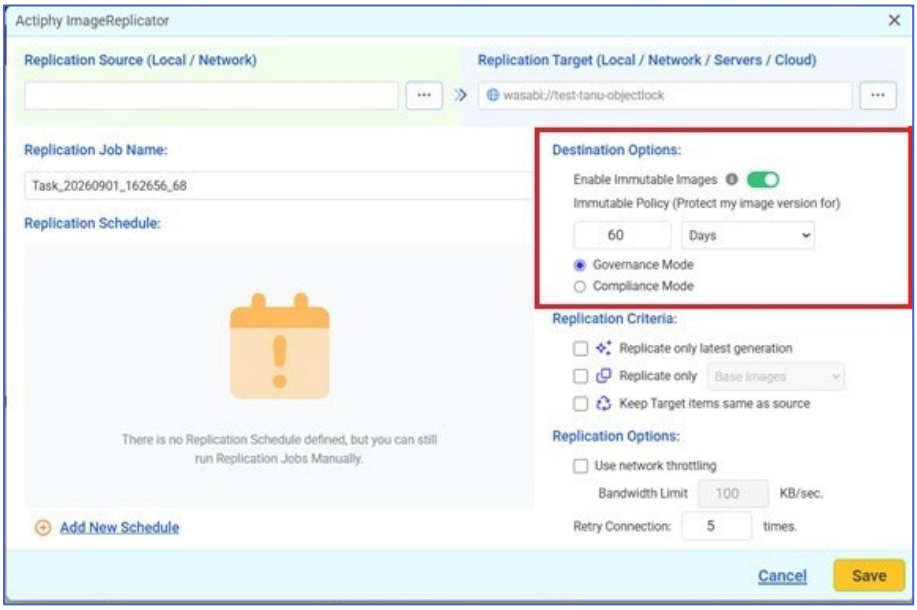
1. Retention Period for Amazon S3

   You can use **[Destination Options]** to specify the period to protect the backup image set. In this example, **[60] [Days]** is selected to safely protect the backup image set from tampering or deletion.



2. Example: Configuring Immutable Policy for Wasabi

   The following is the example for configuring Destination Options. For example, when [60] days is specified for Immutable Policy and [Governance Mode] is selected, Governance Mode prevents the backup data from being modified or deleted, helping to keep it secure.



3. Usage Example

Preconditions :

・Backup Schedule : Weekly (Sunday: Full, Monday to Saturday: Incremental)

・Generation Management : 3 generations

・Replication Type : **[Keep target items same with source]**

・Replication Schedule: Once a day

・Retention Period : 60 days

(1) June 1: Replicate full backup

Retention period: 60 days

Replication Source	Execution Date	Expiration Date
Base (Full) backup	June 1, 2026	August 1, 2026

(2) June 2: Replicate incremental backups

The retention period is extended for each backup image set when new incremental backups are replicated.

Replication Source	Execution Date	Expiration Date
Base (Full) backup	June 1, 2026	August 2, 2026
Incremental backup	June 2, 2026	August 2, 2026

(3) June 7: Replicate the last incremental backup in a week

The retention period is extended for each backup image set when a new incremental backup is created.

Replication Source	Execution Date	Expiration Date
Base (Full) backup	June 1, 2026	August 7, 2026
Incremental backup	June 2, 2026	August 7, 2026
Incremental backup	June 3, 2026	August 7, 2026
Incremental backup	June 4, 2026	August 7, 2026
Incremental backup	June 5, 2026	August 7, 2026
Incremental backup	June 6, 2026	August 7, 2026
Incremental backup	June 7, 2026	August 7, 2026

4. Operation Flow

Once the 60-day retention period has expired, the backup files are deleted from the replication target on the backup image set basis when the next replication is performed.

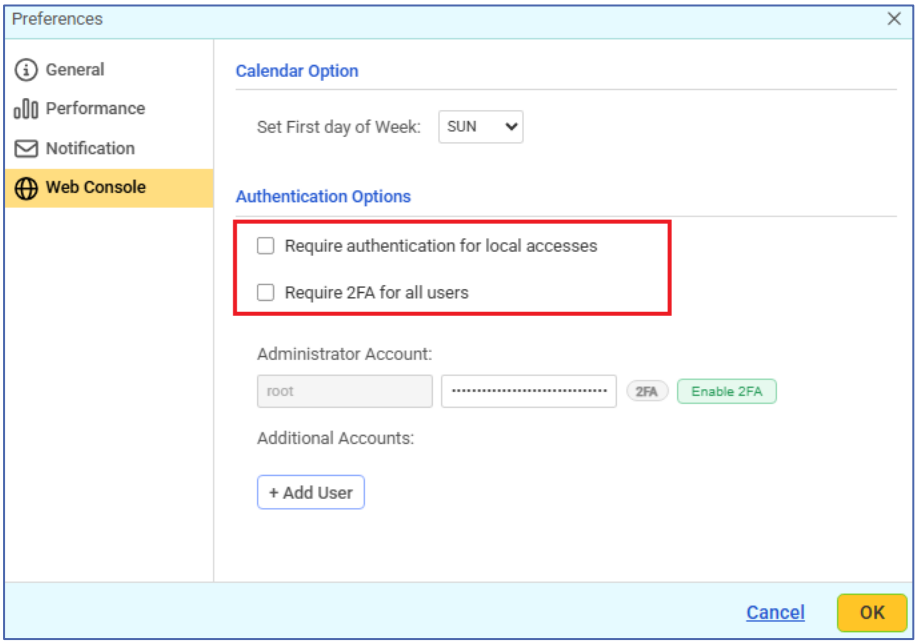
(Ex: The backup set is deleted when the replication is executed on or after August 8, 2026.)

6. Web Console

[Web Console] is provided to configure the authentication settings for establishing connection via Web console and to create and manage user accounts.

1. Authentication Settings

   Go to **[Preference]** – **[Web Console]** and select an authentication option. In addition to password authentication, you can enhance security by enabling two-factor authentication (2FA).



(1) Require authentication for local accesses

When enabled, you will be requested to enter the authentication information even when accessing the local Web console.

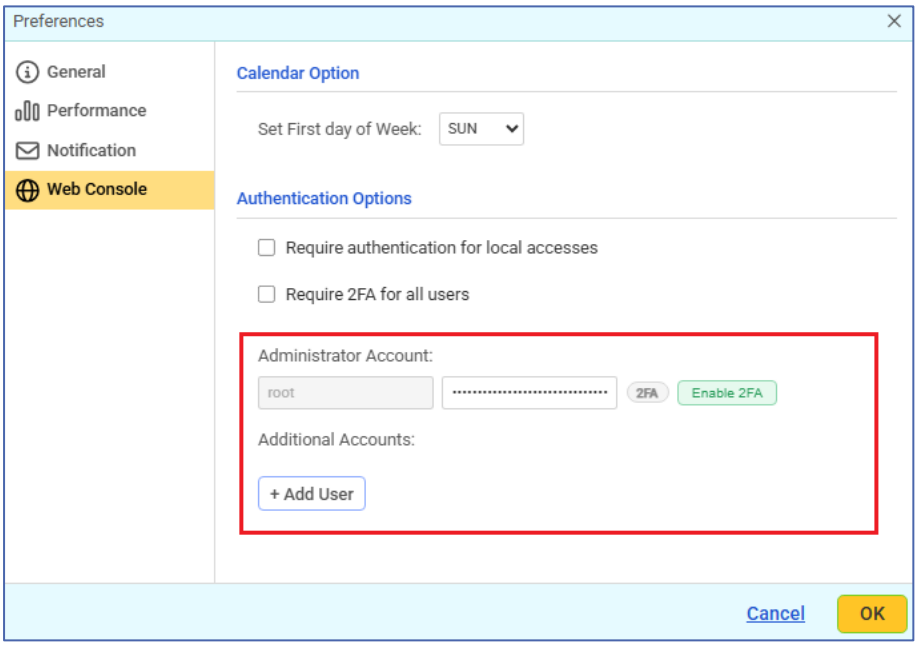
(2) Require 2FA for all users

When enabled, two-factor authentication (2FA) using an authenticator app such as Google Authenticator is required to access either the local or remote Web consoles.

2. Administrator Account

The password can be changed to any desired value for administrator account.

Click **[Enable 2FA]** to configure two-factor authentication or **[Add User]** to add a new additional user account.

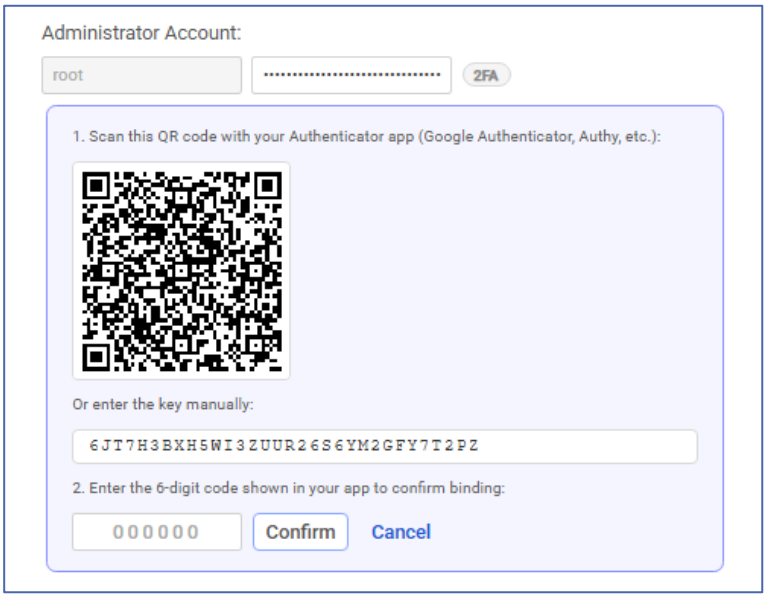


(1) Default administrator user account **[root]** and password

The initial password for the default administrator is **[root]**. The password can be changed to any desired value.

(2) Two-factor authentication (2FA)

Click **[Enable 2FA]** to configure two-factor authentication using an authenticator application such as Google Authenticator.



(3) Additional Account

Additional administrator users can be added as needed.

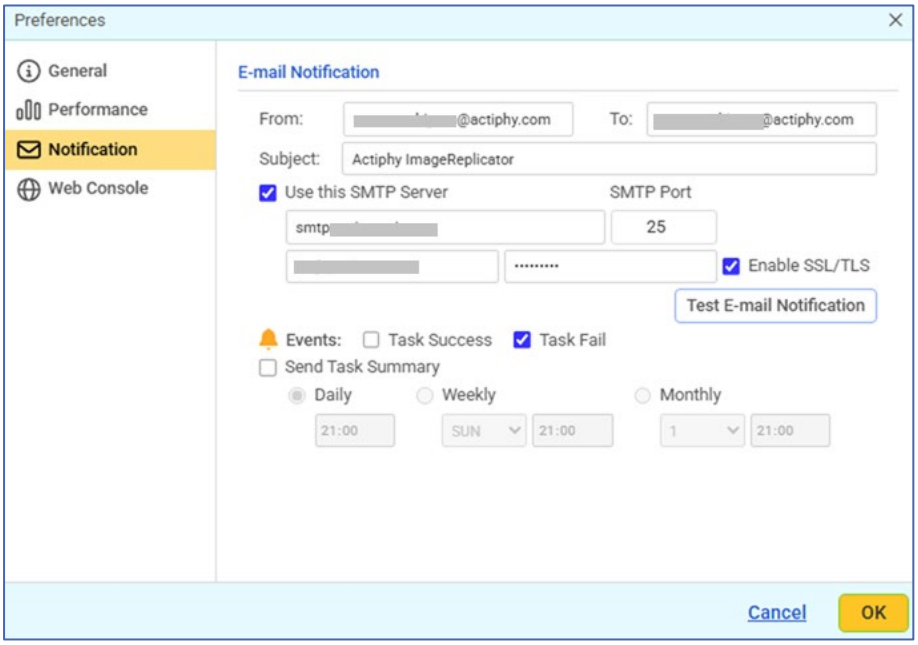
*When signed in as an additional administrator, you cannot modify or delete existing users, nor can add new users.

7. Notification

E-mail notification can be sent to an email address of your choice. Notifications include successfully completed replication, replication failure or the occurrence of errors. This enables early detection of system status and potential issues, allowing rapid response and troubleshooting.

1. E-Mail Notification

   To configure your email settings, go to **[Preferences]** → **[Notification]**.



(1) [**From]** and **[To]**

Specify email addresses in the **[From]** and **[To]** fields. E-mail notifications are enabled.

(2) Use this SMTP Server

Enable **[Use this SMTP server]** to use a specific SMTP server for notifications.

(3) Events

Select the events **[Task Success]** or **[Task Fail]** that trigger email notifications. An email notification is sent when the selected event occurs.

(4) Test E-Mail Notification

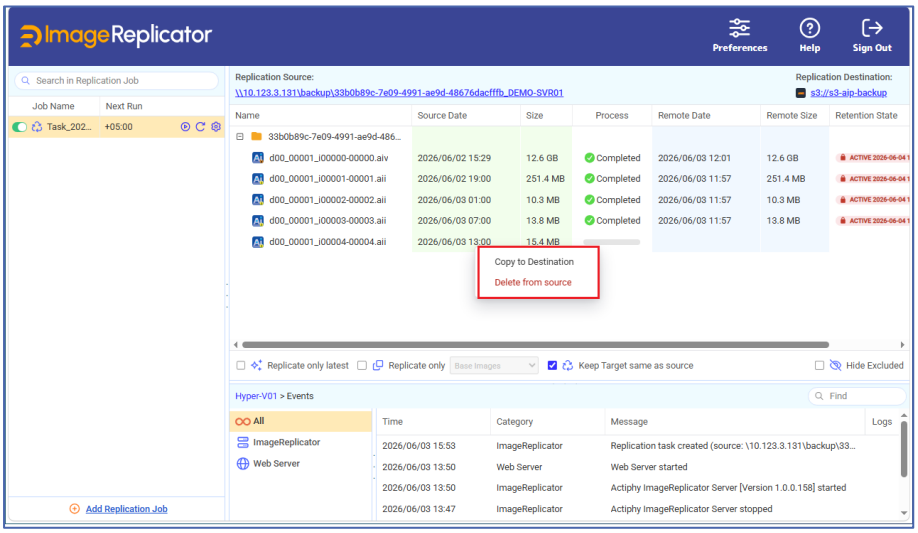
Enable **[Test E-Mail Notification]** to send a test email. To confirm receipt of the test email, click **[OK]**.

8. Copy / Delete a backup copy

Backup files saved in the backup destination folder (replication source) and the replication target can be deleted or copied between the two locations.

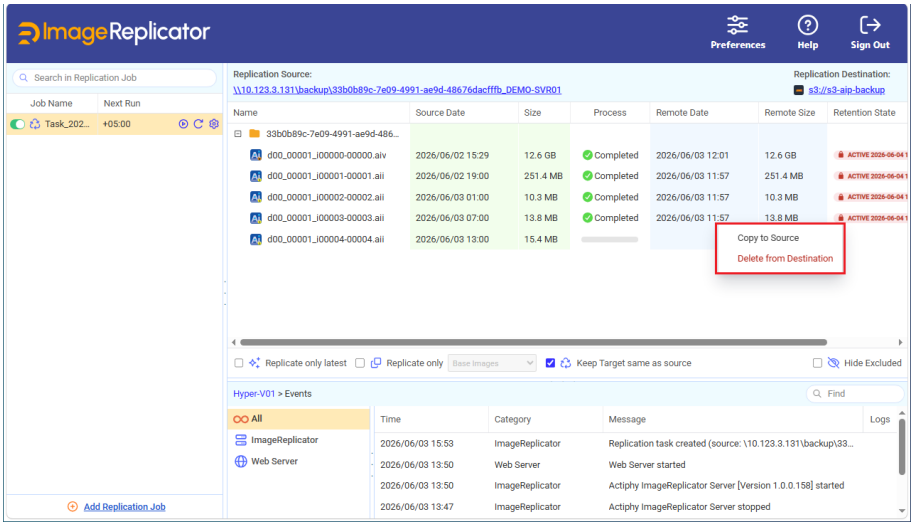
1. Copying / deleting backup files from the backup destination (replication source) to the replication target

   Hover the cursor over the source information (such as update date and file size) of the source backup files in the item list, then right-click and select **[Copy to Destination]** or **[Delete from source]** in the context menu.



2. Copying / deleting backup files from the replication target to the backup destination folder

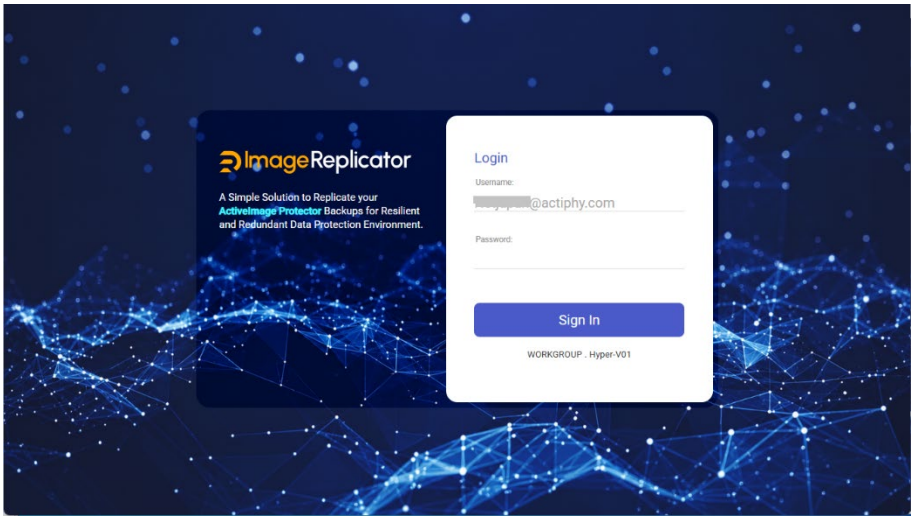
   In the item list, hover the cursor over the target information of the backup files (such as update date and file size), then right-click and select **[Copy to Source]** or **[Delete from Destination]** in the context menu.



9. Remote Web Console

You can remotely connect to and operate the ImageReplicator Web Console using an SSL connection. The default port number is "**443**".

1. On a PC with a web browser installed, enter the IP address of the computer running ImageReplicator to access the Web Console. The use of Web Console allows remote management and operation over network, providing a more flexible system administration.



10.Reference

- **Actiphy's Web site:**
  Actiphy's Web site provides access to comprehensive information, including product information, related documents, technical support, updates, etc.
  https://www.actiphy.com/global
- **Knowledge Base**
  https://actiphyhelp.zendesk.com/hc/en-us/sections/13451053396761-Knowledge-Base
- **ActiveImage Protector Help Center**
  Support information is accessible at the following web site.
  https://actiphyhelp.zendesk.com/hc/en-us
- **For any inquiries about ActiveImage Protector, please contact:**
  Global Sales Dept., Actiphy Inc.
  E-mail: global-sales@actiphy.com

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