



# **Tiger Bridge 5.2 Release Notes**

02 July 2025

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## What's New in Tiger Bridge 5.2?

### Configure Separate Metadata Replication in the Configuration

Starting with version 5.2, the Tiger Bridge Configuration allows you to select a separate bucket or container for metadata replication when pairing a source with the following target types:

- Microsoft Azure Blob Storage
- Amazon S3
- S3-compatible storage

**Note:** Currently, you cannot configure a separate bucket for metadata replication on IBM cloud object storage target, if you have configured Tiger Bridge to work with the Accelerated Archive storage class.

This option is only available during the initial pairing of the source and target. It cannot be enabled or modified in the Configuration afterward without disbanding the pair.

This feature enables immutable storage by keeping metadata separate from the replicated file data. It is also indispensable for using Amazon Multi-Region Access Points (MRAPs) as targets.

### Support for Amazon S3 Multi-Region Access Point (MRAP)

Tiger Bridge 5.2 introduces support for Amazon S3 Multi-Region Access Points (MRAP) as targets, enabling improved data accessibility to managed data through multiple S3 buckets in different regions.

The support is provided with the following prerequisites and limitations:

- For each source you pair with an Amazon MRAP you must specify a separate bucket that is not associated with an MRAP for metadata replication to ensure the proper metadata synchronization.
- The current interface does not have a dedicated option for MRAPs, so use the MRAP ARN instead of a bucket name in the target field. Also, ensure that the AWS account credentials used by Tiger Bridge have the necessary permissions to access the MRAP.
- Tiger Bridge versioning is not supported for sources paired with an MRAP. However, you can still use the Undelete command if you configure a Tiger Bridge Soft Delete policy.

### Support for Disk Archive ALTO Target

Version 5.2 adds support for Disk Archive ALTO. Refer to the Tiger Bridge 5.2 Administration Guide for target prerequisites and configuration instructions.

## Specifying Archive Retrieval Option and Rehydration Priority

The Archive retrieval setting for Amazon S3 and S3-compatible targets, as well as the Rehydration priority setting for Azure targets have been moved from the Archive policy interface back to the source/target pairing interface. These options apply even when the Archive policy is disabled - for example, when data is replicated directly to an archival storage class - so they now reside where they remain relevant.

## Improved Statistics on Managed Data

Tiger Bridge 5.2 introduces enhancements to how managed data statistics are reported:

- Used capacity now reflects the sizes of file versions when calculating the combined size of managed data across all sources.
- The Capacity dialog for each source now distinguishes between:
  - ✓ Total capacity – includes all managed data, even in excluded locations or with failed replication.
  - ✓ Reported usage – excludes ignored files and data whose replication has failed, showing only successfully managed data.

## Moving Data Outside the Source

By default, when you move already replicated data outside the source, it is copied to its new location and then deleted from the source.

**Note:** If you have configured Tiger Bridge to keep the replica on the target, the file will reappear on your source as a stub after the next synchronization.

Starting with version 5.2, you can now configure Tiger Bridge to prevent managed data from being moved from the source to another location on the same volume or network share that is outside the source. This behavior can be enabled by setting a value in the Tiger Bridge registry. For detailed instructions, refer to the Tiger Bridge 5.2 Administration Guide.

## Configure Data Retrieve Mode Per Source

With Tiger Bridge 5.2, you can now override the global file retrieve mode and configure a different retrieve behavior for individual sources. You can do this by modifying the Tiger Bridge registry, following the instructions in the latest Administration Guide.

## Selecting Default Storage Class on Google Cloud Targets

In version 5.2, when pairing a source with a Google Cloud target you can select the storage class to which data should be replicated.

## Selecting Buckets/Containers on Cloud Storage Targets

The interface of Tiger Bridge 5.2 introduces the following enhancements when pairing a source with a cloud storage target:

- You can manually enter the name of the designated bucket/container, regardless of whether the account used for authentication has permissions to list all available buckets/containers. This spares you from having to browse through a long list of buckets/containers. It is also helpful, when using an Azure SAS token for authentication.
- The interface displays a "Select Buckets/Containers" button, which opens a dialog listing all buckets/containers. To help you navigate to the desired bucket/container in the list, the dialog allows you to:
  - ✓ filter the list by typing all or part of a bucket/container name in the text box at the top of the dialog;
  - ✓ jump to buckets/containers by pressing the first letter of their name on your keyboard;

## Force-rescanning the Tiger Bridge Database for a Folder

Starting with Tiger Bridge 5.1, the product maintains a local persistent database that tracks filesystem changes for each source. While this improves performance and reliability, there are rare cases where the local database can become out of sync with the actual state of the source - while the Tiger Bridge service is not running, for example. To address such situations, Tiger Bridge 5.2 provides a force-rescan feature that allows you to manually regenerate the database for either the entire source or a specific folder.

You can perform the rescan using the command-line interface of Tiger Bridge. For detailed instructions, refer to the Tiger Bridge 5.2 Administration Guide.

## Improved Error Messages for File Version Management

In Tiger Bridge 5.2, error messages related to file version management operations- such as deleting obsolete or newer versions and managing versions by timestamp- are now more descriptive, making it easier to understand and troubleshoot issues during version management tasks.

## Updated System Requirements

Starting with version 5.2, Tiger Bridge no longer supports operating systems earlier than Windows 8/Server 2012. In addition, the CPU and available hard disk space requirements have been updated to reflect different usage scenarios. For full details on supported operating systems and hardware recommendations, refer to the Tiger Bridge 5.2 Administration Guide.

## Fixes in Tiger Bridge 5.2

### Preventing Orphan Files When Moving Data Outside the Source

To avoid creating orphan files on the target, when moving stub files outside the source, Tiger Bridge 5.2 adheres to the following procedure:

1. The stub file that should be moved outside the source is retrieved from the target.
2. When the file is fully retrieved from the target, it is copied to the new location outside the source.

- Note:** If the stub file is located on an archival tier/storage class of the target, it is first rehydrated.
3. Once the file is copied to its new location, it is deleted from the source and the target.

### Copying Stub Files from a Source Accessed via SMB Share

In version 5.2, an issue that could prevent the successful copying of stub files from a source accessed as an SMB share has been resolved.

### Correct Security Descriptor for Stub Files

Version 5.2 fixes an issue where, with the Preserve Security Descriptor on Sync setting turned off, the default security descriptor assigned by Windows to stub files was sometimes incorrect. This could render the stub unusable when attempting to retrieve the replicated file from the target. The process has been adjusted to allow Windows to correctly apply the inherited security descriptor from the parent folder, ensuring proper access to the stub.

### Aborting Jobs Using the Command-line Interface

With version 5.2 the command for aborting in-progress jobs now works correctly.



## Upgrading to Tiger Bridge 5.2

### Upgrading from Version 4.x and Above

To upgrade Tiger Bridge to this new version, you should simply run the installation of version 5.2 on the computer running Tiger Bridge. All configuration settings will be preserved after the upgrade.

### Upgrading from Version 3.x and Below

To avoid having two instances of the Tiger Bridge Configuration after the upgrade, it is advisable to uninstall the previous version from the computer and then perform a clean installation of version 5.2 by following the steps in the Administration Guide. All configuration settings will be preserved after the upgrade.

## Known Issues

### Checksum Lost When Retrieving a File Version from the Target

If versioning is enabled both in Tiger Bridge and on the target, when you retrieve a version of the file back on the source it is being retrieved without its checksum.

### Downgrading Tiger Bridge from Version 5.1.x and Above

If you choose to install a previous version of the software after upgrading to version 5.1 and above, you will need to ensure that the service is running after the downgrade. To do this, you will have to clear the Read-Only attribute from all files with the .store extension located in the program's data folder. For detailed instructions on how to clear the Read-Only flag, refer to the following Knowledge Base article:

<https://kb.tiger-technology.com/how-to-clear-the-read-only-flag-of-tiger-bridge-program-files>

### Displaying the Tiger Bridge Tray Icon

In some cases, after upgrading to version 5.x, the Tiger Bridge tray icon may not show initially. To resolve the problem, you should either restart the computer after the upgrade or start the tray icon manually by double-clicking tier\_tray.exe in the installation folder of Tiger Bridge.

### Retrieving Offline Files from Google Cloud

Unlike other cloud targets, offline files stored on a Google Cloud target are retrieved directly on the source when you attempt to open them or to rehydrate them manually.

### Using Versioning Software on Azure Append/Page Blob

When using versioning on Microsoft Azure append or page blob as a target, you should keep in mind that the first version of each file is not kept, and the second version overwrites it. From the second version onwards, versioning works as expected on Azure append and page blobs.

A workaround to the problem is to introduce an insignificant change to the file after it has been initially replicated on the Azure append/page blob (such as an added interval at the end of a text document, for example) to trigger versioning for that file from that change onwards.