

Archaware P5 S3 Object Archive – Setup Notes

S3 Object Archive is available in P5 versions 7.2 onwards and is configured in the Archive tab of the admin interface via 'Services' -> 'S3 Object Archive'. The 'New Archive Bucket' button creates separate bucket configurations. Note that P5 v7.2.0 does not support browsing of buckets.

General Setup tab

127.0.0.1:8000/lexapp/1700453212/p1/r51/52

General Setup Options

Bucket name	Description	Status
P5_LTO_Bucket		Enabled

Cache

A P5 archive bucket requires a directory in a local file system. [More/less...](#)

Staging Area: /RAID_D3/S3_Staging

Target Pool

Archive Pool: LTO_Archive

Bucket Credentials

Access Key ID: BW0vh5oP4YMaXi04v8rh

Secret Access Key:

To recreate bucket secret access key.

Begin by setting the Bucket Name. P5 will publish all buckets via https S3 connections, defaulting to port 8443.

The cache folder is used to store incoming objects before they are written to LTO. Requested objects are read from LTO and temporarily stored here (see Retention Time).

Select an existing LTO archive storage pool. The pool may use either the LTFS and P5 Native tape formats.

P5 generates random credentials upon creation of the bucket, copy/paste into your application to connect. The 'Recreate' button creates new random credentials.

Options tab

127.0.0.1:8000/lexapp/1700453212/p1/r51/52

General Setup Options

Bucket name	Description	Status
P5_LTO_Bucket		Enabled

Archive/Restore interval

Files (objects) that are in the staging area after upload are archived only after a configurable quiescent time. This avoids the need to start a separate archiving process for each file. This time is also applied during restore/download. This means that download requests are collected and restored together from the archive pool after this quiescent period.

Quiescent time: 1 minute

Retention time

Files (objects) provided for restore/download in the staging area will be deleted after a retention period.

Retention time: 1 day

While receiving files into the bucket. Quiescent Time is the time P5 waits after the last object arrives, before an archive job runs and flushes the contents of the cache to tape. This avoids running many separate archive jobs per-object.

When files are requested from the bucket, the Quiescent Time is used to determine when to begin restoring objects from tape.

Objects requested from the bucket are first restored from LTO. They remain available in the bucket for the Retention Time configured here and are then deleted to avoid filling up the cache storage.