Bulk Upload Service for Cloud Edition

The Cloud Bulk Upload Service is a quick and easy way to upload and ingest large digital collections (10TB+) into the safety of Preservica Cloud Edition - saving time and reducing the cost and risk when compared with upload using the Internet. The Preservica managed service utilizes the AWS Import/Export Snowball appliance to allow up to 80TB to be securely transferred at a time. The service provides cloud optimized work flows to safely ingest your digital content into Preservica, allowing you to then rearrange hierarchy or enrich metadata post ingest using Preservica's "drag and drop" collection rearrangement tools.

Overview

Preservica is an intuitive and scalable digital preservation platform. Ingesting content and metadata into Preservica and configuring Preservica to support a metadata schema is relatively simple. However, the bulk upload of large amounts of digital content to any cloud storage service, especially over the internet, can be time and resource consuming.

The Cloud Bulk Upload Service is designed to help you quickly get large collections safely stored in Preservica; saving time, and reducing cost and risk. Typically, users would consider the upload service when they have 10TB+ or more they need to quickly transfer to Preservica. The process can support transfers above 80TB using multiple AWS Snowball appliances.

As experts in the field of digital preservation we have a broad experience of working with our users to transfer large volumes of digital content into Preservica Cloud Edition.
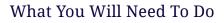
What's Included

- Comprehensive user guide backed by a fully supported process, including liaising with AWS
- AWS Snowball appliance for the transfer
- An Ingest staging area
- Choice of Amazon S3 or Glacier storage or a combination of both

How It Works

The Cloud Bulk Upload Service is managed and overseen by experienced Preservica support staff. The Service is delivered in 5 easy steps:

1. You transfer your digital content on to the AWS Import/Export Snowball appliance (which will be shipped directly to you) up to 80TB at a time.

2. The appliance (with your encrypted content) is then returned to AWS and directly uploaded in to a staging area in your chosen AWS cloud region.

3. Optimized Preservica work flows ensure your content and meta data are safely and quickly ingested into Preservica Cloud Edition.

4. Your digital content is now in Preservica and you can use Preservica's intuitive web browser interface and post ingest collection rearrangement and metadata enrichment tools to (if needed)arrange or rearrange your collection over time.

5. Your digital content is fully removed from the staging area as well as the AWS Snow ball appliance.

What You Will Need To Do

- Provide a profile of the content to be uploaded. This is used by Preservica to cost and dimension the service

- Have your content organized into a folder hierarchy. Separate folder structures for what needs to go on Glacier and on S3

- Ensure you have a Preservica Cloud Edition subscription with sufficient free capacity for the new content

- Have the use of two high specification PCs for transferring content to the Snowball device. For content in excess of 40TB or for a faster transfer additional PCs are recommended

- Be able to connect Snowball to your network or a local dedicated network. This may require the support of your IT team

- Make sure files are in the correct folders. Folders can be easily rearranged post ingest, files cannot

AWS Storage Options

Using Preservica's existing storage policy rules content can be ingested from a single AWS Snowball device and stored on S3 or Glacier or both.

Upload File Size

Providing the profile of your content allows Preservica to optimize the ingest process to make the most efficient use of resources making the content available quickly and cost effectively. There are no special file size limits beyond the current AWS S3 file size limit of 5TB.

AWS Snowball Appliance

The AWS Snowball is an encrypted, ruggedized, high capacity network attached storage device which AWS provides as a means of bulk upload into their cloud based storage. Use of the Snowball device for 10 days is included in the service. Transfers that take longer than 10 days are chargeable at an additional cost per day up to a maximum of 90 days.

Content Curation

The structure of content in Preservica will match the structure copied to the Snowball appliance. If required, it is possible to easily rearrange the structure, at any time, in Preservica post ingest.

Security

AWS Snowball uses multiple layers of security designed to protect your data, including tamper resistant enclosures and 256-bit encryption. All content is encrypted by the Snowball transfer tool before it is copied across to the Snowball appliance. Hence, the need for high spec PCs for the transfer.

Once the data transfer job has been processed and verified, AWS performs a software erasure of the Snowball appliance that follows the National Institute of Standards and Technology (NIST) guidelines for media sanitization

Metadata

If required, it is possible to easily provide and link metadata to files and folders with a simple naming convention. Alternatively, metadata can be added and edited, at any time, post ingest.

Multiple Manifestations

The standard upload service will ingest individual versions of files. Please contact us if you need to ingest multiple versions, for example a digital original and a presentation copy (we call these manifestations) of the same image.

More Information

For more information on Preservica's CE Bulk Upload Service or to place an order for this service, please contact info@preservica.com.