



Overview

Preservica Cloud Edition is a web-based digital preservation application providing customers with mechanisms to store files, perform preservation tasks, and provide access to the public. The service comes with built-in workflows for ingest of data, format obsolescence monitoring and migration, and metadata management. Preservica’s Universal Access module provides an editable interface for a public facing access site, enabling search and display of items managed by the service. Preservica is also offered in on-premise “Standard” and “Enterprise” editions, with expanded service capabilities and customizable workflows. Preservica comes at a higher cost than standard storage services due to additional services available. Preservica Cloud reportedly offers an end-to-end platform supporting ingest, preservation, and access to digital collections.

Preservica Cloud Edition
SERVICE PROVIDER: Preservica Ltd.
WEBSITE: www.preservica.com
PRODUCT RELEASED: 2012
COMPLIANCE: ISO 14721:2003; ISO 27001:2005, HIPAA HITECH, SSAE-16
SERVICE: Deep storage, production, streaming
INFRASTRUCTURE: Contracted
COST: High (with numerous services in addition to storage)

Data Management

Using Preservica’s “SIP” packaging desktop client, users can upload content in organized file hierarchies or as individual items, add basic descriptive metadata, and define a preferred checksum algorithm. Ingest processes generate or validate existing checksums, perform virus checks, characterize file format (via the [DROID](#) and [JHOVE](#) tools and linked data registries), and verify required metadata. **Format migration may be configured and triggered by Preservica’s format obsolescence monitoring features** (using the [PRONOM](#) format registry). Customers should configure these settings according to their own policies to avoid errant alteration to their data. Integrity checks are performed by Amazon Web Services, the regularity of these checks and transparency of any corrective actions are not noted in the service documentation. Customers may also schedule regular integrity checks performed by Preservica.

Reporting / Metadata

The service supports customizable descriptive metadata schemas with support for standard formats (MODS, EAD, and Dublin Core) or the customer’s own XML schema. Preservica utilizes Amazon’s [Relational Database Service](#) to store and manage metadata. Metadata may be leveraged for search and retrieval by end-users in both the web-based management client and the public facing Universal Access module. **Preservica tracks ingest, access, and preservation events, that may be output in reports as CSV, PDF, or XML and may also be presented as dashboard widgets within the management console.**

Redundancy

Data is stored at centers in Amazon’s USA East (Northern Virginia) region. Replicating data to diverse geographic locations with varying disaster threats is not available out of the box. While data is redundant across data centers in this region, **the lack of separation beyond Northern Virginia places materials at risk in region-specific cases of disaster.** A “Copy Home” is provided which will reportedly transfer an additional copy of data to a client-managed FTP server, allowing the customer to manage a secondary storage location.

Accessibility

Data stored in the service’s Amazon S3 tier should be readily accessible via the web-based management console and the Universal Access module. Universal Access provides site templates that are deployable on mobile devices. Customers may also connect WordPress and Drupal sites to Preservica via a CMIS interface.

Security

Administrators may apply permissions to groups of users at the collection, record, and object level. Data is encrypted in storage using the AES-256 standard, according to AWS's standard protocols.

End of Service

Using the Preservica's built-in features for packaging and downloading data, users may retrieve all digital assets and related metadata at any time. Preservica also provides a service for delivery of assets via portable, removable media if desired. **Preservica requires a minimum commitment to one year of service.** Following this initial contract, customers may terminate service with 30 days notice. Available service documentation does not address contingency plans in the case Preservica ceases to offer services.

Levels of Preservation

	Level 1 (Protect)	Level 2 (Know)	Level 3 (Monitor)	Level 4 (Repair)
Storage	<ul style="list-style-type: none"> Two complete copies that are not collocated 	<ul style="list-style-type: none"> At least three complete copies At least one copy in a different geographic location 	<ul style="list-style-type: none"> At least one copy in a geographic location with a different disaster threat Obsolescence monitoring for storage system(s) 	<ul style="list-style-type: none"> At least three copies in geographic locations with different disaster threats
Data Integrity	<ul style="list-style-type: none"> Check file fixity on ingest if it has been provided with content Create fixity info if it wasn't provided with the content 	<ul style="list-style-type: none"> Check fixity on all ingests Virus-check high risk content 	<ul style="list-style-type: none"> Check fixity of content at fixed intervals Maintain logs of fixity info; supply audit on demand Ability to detect corrupt data Virus-check all content 	<ul style="list-style-type: none"> Check fixity of all content in response to specific events or activities Ability to replace/repair corrupted data Ensure no one person has write access to all copies
Security	<ul style="list-style-type: none"> Identify who has read, write, move, and delete authorization to individual files Restrict who has those authorization to individual files 	<ul style="list-style-type: none"> Document access restrictions for contents 	<ul style="list-style-type: none"> Maintain logs of who performed what actions on files, including deletions and preservation actions 	<ul style="list-style-type: none"> Perform audit of logs

**Have more questions? We can help.
Contact AVPreserve at info@avpreserve.com**

