

# CloudStor Collections Release Notes

## Release version 1.0

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### Overview

Originally, Intersect helped develop a product called Cr8it (“Crate It”) which was an on-premise application that enabled researchers to collate, describe, package and disseminate groups of files and metadata and facilitated the publishing of data as a research output or in support of a publication.

In conjunction with AARNet and Western Sydney University, Intersect initiated a project to re-engineer Cr8it into a researcher/consumer focused cloud product based on CloudStor, AARNet’s ownCloud platform. This re-engineered product is now known as CloudStor Collections.

CloudStor Collections 1.0 includes the following researcher/consumer-focused features:

- Create collections of Cloudstor-based files,
- Provide people with the ability to describe a collection through a set of mandatory and optional metadata elements,
- Package collections into a BagIt compatible archive, complete with copies of the files, manifest and metadata.
- Packages are created within the CloudStor filesystem where they can be downloaded or shared as desired.

### Systems Requirements

The recommended minimum environment for CloudStor Collections 1.0 assumes:

- An ownCloud server version 8.2, 9.0 or 9.1 is already installed.
- Apache 2.2+ and PHP 5.6+ have been installed as part of the process of installing ownCloud.
- Email sending has been configured within ownCloud.

### Installation/Upgrade Instructions

To deploy CloudStor Collections 1.0, please follow instructions at:

<https://github.com/IntersectAustralia/collections/blob/master/docs/deployment-guide.md>

Please note that since Collections is a private GitHub repository, permission must first be granted before the repository can be accessed. Please contact the Intersect development team ([help@intersect.org.au](mailto:help@intersect.org.au)) requesting read access (as an external collaborator) to this repository.

NOTE: The tag for this release is as per the Release version above, ie **1.0**. This tag must be selected during the deployment process. If in doubt as to which tag to use, please check with the Intersect development team ([help@intersect.org.au](mailto:help@intersect.org.au)).

## Known Issues and Limitations in CloudStor Collections 1.0

1. The Package button is not activated in the Package dialog when an invalid email has been entered and the Package dialog has been reopened.
2. Collection action buttons will not be aligned with the Collections drop down when you zoom into Collections.
3. Collection size may be reported incorrectly if you add large files to a collection in quick succession.
4. The vertical scroll bar for list of files within a collection files is not displayed. A user is still able to scroll, but the scrollbar is not visible (ie its covered up by the metadata side panel)
5. Display of an error message when a user attempts to package their collection, but does not have enough estimated storage available in their personal quota.
6. Packaging of a Collection to a group allocation, so that user does not use their personal CloudStor quota.
7. The ability to allow a user to select from multiple schemas is planned for a later CloudStor Collections version
8. Currently when you open the manifest or the XML metadata in Notepad the new lines are not displayed.

## Test Report

The regression test suite of Collections is comprised of both manual and automated functional tests.

The following automated test components were successfully executed on ownCloud version 9.0.4.

Component	Number of Tests	Result (%PASS)
Adding Files to Collection	9	100%
Renaming Collection	7	100%
Deleting From Collection	4	100%
Remove all files from Collection	3	100%
Viewing Collection Metadata	12	100%
Packaging Collection	18	100%
Exporting Metadata	7	100%
Checking Collection	3	100%
Collection Packaging History	5	100%

The following manual test components were successfully executed on ownCloud version 9.0.4.

Component	Number of Tests	Result (%PASS)
Collection Management	4	100%
Collection Exporting	5	100%
Collection Packaging	6	100%

## CloudStor Collections 1.0 Features

### ID Feature

1.	ownCloud version 8.2, 9.0 / 9.1 compatible
2.	Create new collection
3.	Add, remove, and reorganise files from selected collection
4.	Move/rename files within CloudStor without breaking collection file location
5.	Annotate collection with metadata
6.	Support collections greater than 4GB.
7.	Metadata fields configurable by system administrator
8.	Mandatory metadata fields enforced before package
9.	Unique ID embedded within collection and the associated metadata file
10.	Export metadata in XML format for previewing or sharing with collaborators
11.	Download collection <sup>1</sup>
12.	Share packaged collections via CloudStor Files <sup>1</sup>
13.	Package collection and store within CloudStor for sharing by user
14.	Designed for multi-institutional collaboration over distributed infrastructure
15.	Ongoing defined support options available

<sup>1</sup> Collections are no different to other files within CloudStor and can be shared or downloaded with standard CloudStor operations.