



## Request for Proposals

### Development for ArchivesSpace Container Management Feature Enhancement

Issued October 5, 2017

Deadline to reply: October 27, 2017

ArchivesSpace is seeking proposals from individuals or firms interested in providing development for a limited scope project to add functionality to the container management area of the application. We would ideally like this functionality to be completed for inclusion in the December 2017 major release, though there is flexibility as to timing.

#### About ArchivesSpace

ArchivesSpace is an open source archives information management system used by many libraries and archives in the United States and internationally. ArchivesSpace is supported by a membership community that works closely with the program team to sustain and improve the application. LYRISIS (<http://lyrasis.org>) serves as its organizational home.

#### *Technical architecture*

ArchivesSpace is comprised of Rails and Sinatra applications that are divided into several components: the backend, which exposes the major workflows and data types of the system via a REST API, a staff interface, a public interface, and a search system, consisting of Solr and an indexer application.

These components interact by exchanging JSON data. The format of this data is defined by a class called JSONModel.

The code is available on Github at <https://github.com/archivesspace/archivesspace/>.

#### *Technologies used in ArchivesSpace*

- JRuby
- Sinatra
- Rails
- jQuery
- Twitter Bootstrap
- JSON
- MySQL
- Derby
- Solr
- RSpec
- Selenium
- SimpleCov
- Git
- Ant
- Java
- Ruby
- JavaScript
- SCSS
- HTML5



## Scope of Work

The project will focus on adding and improving functionality in the application related to container management, the information about the enclosures in which physical archival materials are stored. Significant work was done in 2015-2016 to integrate functionality in this area originally designed by Hudson Molonglo as a plugin for Yale University into the core code of the application; this project will build on and extend that work. All new work is expected to fit within the existing data model and align with ArchivesSpace's Educational Community License, version 2.0. The selected party will be required to agree to a contributor's license (the individual contributor license agreement is available at [https://github.com/archivesspace/archivesspace/blob/master/contributing/ArchivesSpace\\_Individual\\_Contributor\\_License\\_Agreement\\_ICLA.pdf](https://github.com/archivesspace/archivesspace/blob/master/contributing/ArchivesSpace_Individual_Contributor_License_Agreement_ICLA.pdf).)

ArchivesSpace uses JIRA for its development catalog (<http://development.archivesspace.org>). The specific feature requests and bug fixes for this project are identified in the following JIRA tickets:

### *Features*

- Ability to merge Top Containers: <https://archivesspace.atlassian.net/browse/AR-1436>
- Ability to merge Container Profiles: <https://archivesspace.atlassian.net/browse/AR-1397>
- More efficient navigation in Manage Top Containers area: <https://archivesspace.atlassian.net/browse/AR-1400>
- Ability to create top containers in bulk <https://archivesspace.atlassian.net/browse/AR-1873>
- Add Update Indicator to bulk operations for top containers: <https://archivesspace.atlassian.net/browse/AR-1452>
- Add Container Type as a column in bulk operations table: <https://archivesspace.atlassian.net/browse/AR-1441>
- Add "Container Profile" to the Browse and Create pulldowns in the global navigation <https://archivesspace.atlassian.net/browse/AR-1407>
- Improve representation of top containers, including ability to Browse for existing top containers, in RDE <https://archivesspace.atlassian.net/browse/AR-1875>
- Ability to create top containers independent of specific material description records <https://archivesspace.atlassian.net/browse/AR-1874>
- Create API endpoint for Top Containers linked to a Resource or Accession <https://archivesspace.atlassian.net/browse/AR-1449>

### *Bugs*

- Browse option is obscured for the Container Profile field in the Update Container Profiles view <https://archivesspace.atlassian.net/browse/ANW-164>
- Tool tip on Create Top Container page falls off edge of window <https://archivesspace.atlassian.net/browse/ANW-160>
- Ensure Manage Container Profiles option is available in menu for users with appropriate permissions: <https://archivesspace.atlassian.net/browse/AR-1585>

## **Deliverables**

All features and bug fixes should be developed as additions to the core code of ArchivesSpace, not as plugins. Strong preference is for each JIRA ticket to be delivered on its own pull request in Github when the corresponding feature or bug fix implementation is complete. Questions or comments on individual JIRA tickets should be put into the JIRA tickets. The chosen contractor will be given appropriate access to each of these systems.

Testing requirements: Code should be delivered with adequate automated testing coverage. This will include updating existing tests and writing new tests covering new functionality. Along with the RSpec tests, there should be selenium tests that cover all UI modifications and additions and relevant integration tests should be updated or added.

## **Timeframe**

We anticipate a major release of ArchivesSpace in December 2017 and another in March 2018. Preference is for this work to be complete and available for testing for in time for inclusion in the December release, but delivery for the March release is also possible.

## **Terms**

The chosen individual or firm will work as an independent contractor and be required to submit necessary documentation to LYRISIS in order to receive payment. Specific payment terms will be determined by mutual agreement in a written contract prior to start of work.

## **Evaluation Criteria**

Proposals from potential contractors will be evaluated on the basis of demonstration of experience working with ArchivesSpace or applications like ArchivesSpace; knowledge of the technologies used in ArchivesSpace; and past success in delivering code for archives and library applications. An understanding of archives functions and data models is strongly preferred.

## **Links to Background Information**

Overview of ArchivesSpace technical architecture:

<http://archivesspace.github.io/archivesspace/user/archivesspace-architecture-overview/>

ArchivesSpace Github: <https://github.com/archivesspace/archivesspace/>

Explanation of current container management functionality

- Background on original plugin developed by Hudson Molongo with Yale University: <http://guides.library.yale.edu/archivesspace/ASpaceContainerManagement>

- Background and answers to FAQs about implementation in ArchivesSpace core:  
[https://github.com/archivesspace/archivesspace/blob/master/UPGRADING\\_1.5.0.md](https://github.com/archivesspace/archivesspace/blob/master/UPGRADING_1.5.0.md)

ArchivesSpace Contributors' Guidelines:

<https://archivesspace.atlassian.net/wiki/spaces/ADC/pages/19202114/How+to+Contribute+Code+or+Documentation>

ArchivesSpace sandbox: <http://sandbox.archivesspace.org> (use username admin and password admin)

## Submissions

Please email proposals to ArchivesSpace Program Manager Christine Di Bella ([christine.dibella@lyrasis.org](mailto:christine.dibella@lyrasis.org)) by October 27, 2017. Proposals should include a proposed action plan, pricing, timeline, names and contact information for at least two client references, and examples of relevant work in ArchivesSpace or other applications.

## Questions?

Please contact ArchivesSpace Program Manager Christine Di Bella ([christine.dibella@lyrasis.org](mailto:christine.dibella@lyrasis.org)) for questions about this RFP and project. Technical questions about ArchivesSpace may be directed to Tech Lead Laney McGlohon ([laney.mcglohon@lyrasis.org](mailto:laney.mcglohon@lyrasis.org)).