

Design Explanation

Islandora is going to be an internal system not exposed to the outside public. The Digital Content Curators will generate/digitize the content along with the associated metadata in standard METS format. This will be uploaded into Islandora where based on the type of content other artifacts, like high resolution and medium resolution images optimized for the web, will be generated and stored. The Islandora server will be connected to a SAN storage device optimized for fast writes, redundancy and capacity.

The content on Islandora would be searchable over REST or Web services running over HTTP. Our main website would serve as the front end accepting search parameters from the external users, performing the search over HTTP on Islandora and returning the formatted results back to the external users. We do not want to expose Islandora server to the public.

Additionally, we would like to store all our user profiles in an LDAP user directory separate from the Islandora server so it may be centralized at a single location and be accessible by the systems.

Main concerns:

- Is it feasible to keep all of the Islandora systems (Drupal/Islandora/Fedora/Storage) on separate servers or will a single server installation server us better?
- Can Islandora repository be configured to store over the network to a remote location?
- Can we integrate the Document Viewer / Image Viewer / Media Player into our custom pages? Are these some web plugins that we can integrate into the pages on our website server to view the searched results? Are they free or proprietary property?
- We have digital content other than the types provided by default in Islandora. We also want to customize the steps Islandora takes upon receiving content which differs in what the default installation offers, for example, store images types in a location different than multimedia video and audio. Is that possible?

Looking forward to your expert advice, suggestions or comments.