Islandora Document Solution Pack

Configuration Document

Last Edit: 19th Dec 2013, Yuqing Jiang.

MENU

1 Dependency

name	version in use	Official web page
JODConverter	2.2.2	http://www.artofsolving.com/opensource/jodconverter
OpenOffice	3.4	https://www.openoffice.org/

2 Introduction

Islandora document solution pack provide a collection and a content model for users documents. Documents are converted to a pdf format in case to display. This solution pack need OpenOffice running as a service and also the JODCoverter library installed.

2.1 Supported formats

- PDF format
    - Portable Document Format (*.pdf)

- Text Formats
    - OpenDocument Text (*.odt)
    - OpenOffice.org 1.0 Text (*.sxw)
    - Rich Text Format (*.rtf)
    - Microsoft Word (*.doc)
    - WordPerfect (*.wpd)
    - Plain Text (*.txt)
    - HTML[1] (*.html)

- Spreadsheet Formats
    - OpenDocument Spreadsheet (*.ods)
    - OpenOffice.org 1.0 Spreadsheet (*.sxc)
    - Microsoft Excel (*.xls)
    - Comma-Separated Values (*.csv)
    - Tab-Separated Values (*.tsv)

- Presentation Formats
    - OpenDocument Presentation (*.odp)
    - OpenOffice.org 1.0 Presentation (*.sxi)
    - Microsoft PowerPoint (*.ppt)

2.2 Upload

Whenever a user upload a document. An Object will be created. The origin document will be ingested as the OBJ datastream. If openoffice service is running currectly and the jodcoverter is installed, a pdf file will be generated and saved as a PDF file. The TN and PREVIEW datastreams are produced from the PDF file.

3 Installation and Configuration

3.1 OpenOffice

Under Ubuntu 13.04

1. Add apt package
   sudo add-apt-repository ppa:upubuntu-com/office
2. Update apt-get
   sudo apt-get update
3. install OpenOffice
   sudo apt-get install openoffice
4. install OpenOffice writer extension
   sudo apt-get install openoffice.org-writer
   This extension is to convert a document to pdf format. It is need by islandora doument soution pack. An error message of soffice may output if OpenOffice writer extension is not correct installded
5. install OpenOffice draw extension (Opetional)
   sudo apt-get install openoffice.org-draw
   This extension is not need by islandora document solution pack. JODCoverter can convert drawing formats. It may be need for other islandora module development.
6. Start OpenOffice service
   soffice -headless -accept="socket,host=127.0.0.1,port=8100;urp;" -nofirststartwizard

3.2 JODConverter and Document Solution Pack

1. JODConverter library
   Download the JODConverter from
   http://sourceforge.net/projects/jodconverter/files/JODConverter/2.2.2/jodconverter-2.2.2.zip/download
   Unzip it and place into Drupal/base/path/sites/all/libraries
2. Islandora_jodconverter module
   get islandora_jodcoverter form https://github.com/yqjiang/islandora_jodconverter and place it into drupal/base/path/sites/all/modules/
   cd /var/www/drupal7/sites/all/modules/
   git clone https://github.com/yqjiang/islandora_jodconverter.git
3. Islandora_solution_pack_document

get islandora_solution_pack_document from
https://github.com/yqjiang/islandora_solution_pack_document and place it into into
drupal/base/path/sites/all/modules/

```
cd /var/www/drupal7/sites/all/modules/
git clone https://github.com/yqjiang/islandora_solution_pack_document.git
```

4 Trouble Shoting

5 Furture Development (For developer)

5.1 JODConverter
- jodconverter exception message should be trigger.
  - If converter success nothing out from the command line. and a file created.
  - If not a Exception stack will be the out put.
  - Should see if the file is exist and out put the exception message
- jodconverter configure document
- jodconverter test files.
- Allow openoffice port other than 8100.
- need to build test document for jodcoverter.
- Test if MicroSoft Office 2007 and later formmats can be converted. Edit the format list in the module. and update the document.

5.2 Islandora doument solution pack
- edit content model to support all jodconverter format.
- edit PDF datastream , if a pdf file is added do not use jodconverter.
- get jod converter error and set message.
- if a txt file is upload use it as FULL_TXT
- Add allowed formats in admin panel for user to choose which datasteam should be build when ingested (eg. when upload a doc, may build PDF, RTF ODT datastreams.)
- Add Data stream download link in theme allow users to down load other data format.
- test file.

5.3 Other
- Maybe double check this document to figure out language issue. o (>_<) o
- Configure OpenOffice under other operation system and update installation and configuration part
  https://docs.google.com/a/discoverygarden.ca/document/d/1zwLrMndzElZekLBQfpX83XsxDMQlRjQ8GOq5hsMQ5Qk/edit#heading=h.bwppgyp3hg0h
- Add issues that may happens under trouble shoting.

6 Revision history

Date	Comment	Author
19 Dec 2013	Initail version	Yuqing Jiang