Islandora Document Solution Pack

Configuration Document

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# 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)
  + HTML1 (\*.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

1. Update apt-get  
   sudo apt-get update
2. install OpenOffice  
   sudo apt-get install openoffice
3. 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

1. 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.

1. 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

1. 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

1. 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.

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# 6 Revision history

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| --- | --- | --- |
| Date | Comment | Author |
| 19 Dec 2013 | Initail version | Yuqing Jiang |
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