Installing REPOX

AWS Instance

You need a AWS instance running Amazon Linux. The machine should have 8gb of memory and 500 GB disk space.

Installation procedure

- Apply all updates:

  ```
  sudo yum update
  ```

- Install git:

  ```
  sudo yum install git
  ```

- Install JDK 1.8:

  ```
  sudo yum install java-1.8.0-openjdk-devel
  ```

- Then remove Java 1.7:

  ```
  sudo yum remove java-1.7.0-openjdk
  ```

- Make sure you remove 1.7 **after** you install 1.8; otherwise the `aws-apitools` package will also be removed, since it depends on java.

- Download a copy of REPOX 2.3.7 from <http://repox.sysresearch.org/download.html> Download the file <http://repox.sysresearch.org/REPOX_2.3.7_unix-installer.zip>

- Clone a copy of ESDN's dpla-custom-repox-xslt repository:

  ```
  git clone https://github.com/ESDNhub/dpla-custom-repox-xslt.git
  ```

- Unzip the REPOX zipfile:

  ```
  unzip REPOX_2.3.7_unix-installer.zip
  ```

- Change to the newly created REPOX directory:

  ```
  cd repoxunix
  ```

- Run the installer:

  ```
  sudo sh ./install.sh
  ```

- For the URN, use:

  ```
  urn:ohiodplahub.library.ohio.gov:
  ```

- Otherwise, you can accept most of the defaults. Enter an admin password for the initial user, and

`ohiodplahub@library.ohio.gov`

for the admin mail adrress and

`lists.library.ohio.gov`

for the address of the SMTP server.

- You can now check that the system is running by opening <http://ohiodplahub.library.ohio.gov:8080/repox/ in a browser.
    - Log in with the admin username and password (default: admin/admin)
- Go to Administration->Configuration Settings and do the following:
    - Uncheck "Use SSL Mail Authentication?" (unnecessary)
    - Set OAI Max List Size to 257 (This evades an obscure bug that will stop records from being retrieved when the number of records sent is a multiple of 750)