

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://rebox.sysresearch.org/download.html> Download the file http://rebox.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 address 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/repo/#HOME> 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)