RODA 2.0 - Repository of Authentic Digital Objects

What is RODA?

RODA is a complete digital repository that delivers functionality for all the main units of the OAIS reference model. RODA is capable of ingesting, managing and providing access to the various types of digital objects produced by large corporations or public bodies. RODA is based on open-source technologies and is supported by existing standards such as the OAIS, METS, EAD and PREMIS.

Some technical information about RODA

- Uses native file system or Fedora 4 for digital object storage
- Uses any XML format as descriptive metadata
- Uses PREMIS for preservation metadata
- Has a configurable multi-step ingestion workflow
- Supports LDAP and CAS for authentication & authorization
- Supports pluggable preservation actions
- Has a user friendly graphical user interface based on GWT

For more information, please fell free to visit RODA website: http://www.roda-community.org

Install and run

Demo mode (based on docker containers)

Windows

The RODA docker container cannot currently be used in Windows due to filename incompatibilities.

MacOS

Just install Kitematic, and search for "roda". Install and run docker container. It's that easy.

Linux

On Linux, use the following instructions:

1. Install docker for your system: https://docs.docker.com/engine/installation/
2. Pull or update to the latest roda container, on the command line run: `sudo docker pull keeps/roda`
3. Run the container: `sudo docker run -p 8080:8080 -v ~/.roda:/root/.roda keeps/roda`
4. Access RODA on your browser: http://localhost:8080

NOTE: the docker commands only need `sudo` if your user does not belong to the `docker` group.

To start as a service you can install supervisord and create the file `/etc/supervisor/conf.d/roda.conf` with:

```
[program:roda]
command=docker run -p 8080:8080 -v /home/roda/:/root/.roda keeps/roda
directory=/tmp/
autostart=true
autorestart=true
startretries=3
stderr_logfile=/var/log/supervisor/roda.err.log
stdout_logfile=/var/log/supervisor/roda.out.log
user=roda
```

1. Create user 'roda': `sudo adduser roda`
2. Add user 'roda' to 'docker' group: `sudo usermod -aG docker roda`
3. Then restart supervisord (`sudo service supervisord restart`)

Production mode

To install RODA from base, i.e. without containers, see the base install instructions.

Quick start

Please log in with the following credentials:

- Username: admin
- Password: roda

With this you will have access to all features.

Then you can start using RODA:

1. Go to Catalogue and click the button **NEW**, select Dublin Core and fill the title of your new collection.
2. Go to **Ingest > Transfer** and upload files (e.g. PDF) or SIPs made by RODA-in. SIPs will have metadata while PDFs wont. To know how to use RODA-in watch the tutorials.
3. After upload, select the SIPs or files to ingest on the checkbox and click the button **PROCESS** on the sidebar under the section Ingest.
4. Now configure the ingest workflow, select the SIP format, if you upload a file select **Uploaded file/folder**, if you uploaded a SIP select the SIP format (E-ARK or Bagit).
5. Under the **Parent Object** you can select the new collection you created above.
6. After configuring ingest click the **CREATE** button.
7. Now ingest will start and you can see the status of it at **Ingest > Process**, you can also inspect the status by clicking the table row.
8. When finished you can go to **Catalogue** or **Search** to find your new ingested content.

Developers

To start developing for RODA check the Developer guide which has information on:

1. How to get the source code
2. How the code is laid out
3. How to set up the development environment
4. How to contribute

Translations are maintained in Transifex and updated using the Transifex Client. After installing the client and setting up your `~/.transifexrc` use `tx push -s` to when you have new source translations to push to server, and `tx pull -a` to update the translation on your local installation.