Etosha CLI

The command line interface is one of the core components of the Etosha project. Dataset related tasks can be done manually or by using a so called *shell action* via Oozie workflows.

The CLI tool can work in **stand alone mode**, or in **cluster mode**. Standalone mode means, all extracted or created metadata is written to a local folder. In cluster mode the data is stored in HDFS for long term persistence and a Fuseki service (managed by Cloudera Manager) is used to expose the metadata and to handle SPARQL queries.

You can start the CLI with this commend script:

$ ./ecl.sh $ARG1 $ARG2 … $ARGn

The script is located in:

$ETOSHA\_HOME/etosha-parent/bin/

Note: On MacOS you will find this issue:

Exception in thread "main" java.io.IOException: Mkdirs failed to create /var/folders/3k/nyrd1dwj4d953l71ys0hnl680000gn/T/hadoop-unjar2822957638110687808/META-INF/license

We have to use shade-plugin for Maven to build an Uber-JAR excluding the content of the folder META-INF/license.

Quickstart Guide

In this section we assume, you have Linux box or VM with Java 8 and Git. A guide to install git-lfs is available here: <https://github.com/github/git-lfs/wiki/Installation>

1. Clone the repository from Github:

$ git clone <https://github.com/kamir/etosha.git>

1. Run the bootstrap script:

$ cd etosha

$ git lfs pull

$ cd scripts

$ chmod 777 bootstrap.sh

$ ./bootstrap.sh

1. Run the build script:

$ ./build.sh

1. Install the ecl.sh tool by linking it and putting it on the PATH.

$ cd /usr/sbin

$ sudo ln -s /home/cloudera/workspace/etosha/etosha-parent/bin/ecl.sh ecl

$ sudo chmod 777 ecl