

10.30 Setup & Install Guide

Thursday, October 30, 2014 11:24 AM

Status: In Test

Note: After completing this installation, please see the *Metadata.API setup guide* to complete the installation of the *LigaData RTD solution*.

Prerequisites:

- Approximately 300 MB free
- Java installed (Java runtime version 1.7 or later, which can be downloaded [here](#).)
- Access to: https://github.com/ligaDATA/RTD_ReadOnly OR the RTD install package **(.tar??)*

Windows users:

- 7-zip intalled (<http://www.7-zip.org/>) Choose for 32bit or 64bit. Note: for OpenSource, we should use zip or tar.gz)

Assumptions:

- No other Zookeeper Service is running
- No Other Kafka service is running on this node *NOTE: optional. You will need some input/output to the engine.*

Linux users:

- It is suggested that Linux users run the services/scripts under screens (http://www.howtoforge.com/linux_screen), so that if the connection is lost, they will still be running. (*NOTE: This will become a service in a later release.*)

Install the following:

1. Download and install Scala 2.10.4: <http://www.scala-lang.org/download/2.10.4.html>
2. Download and install sbt: <http://www.scala-sbt.org/download.html>
3. (Suggested - hold for open source) Download and install Kafka: <http://kafka.apache.org/>
4. Download and install Zookeeper: <http://zookeeper.apache.org/releases.html#download>
5. From GitHub, clone: https://github.com/ligaDATA/RTD_ReadOnly
6. Navigate to the folder where you cloned https://github.com/ligaDATA/RTD_ReadOnly and where you have placed the dataset install file.

Linux & Mac users:

- i. Run install script:

```
bash /path/to/source/trunk/SampleApplication/Medical/bin/installOnLEP_Medical.sh  
  </path/to/install/location> </path/to/source/location>
```

Example: `$HOME/ligadata/trunk/SampleApplication/Medical/bin/installOnLEP_Medical.sh /tmp/OnLEPInstall $HOME/ligadata/trunk`

Windows:

- i. Make sure Scala and sbt paths are in the PATH environmental variable.

Example - yours may look different:

```
C:\ProgramData\Oracle\Java\javapath;C:\Program Files\Common Files\Microsoft Shared\Windows Live;C:\Program Files (x86)\Common  
Files\Microsoft Shared\Windows Live;%SystemRoot%\system32;%SystemRoot%;%SystemRoot%\System32\Wbem;%SYSTEMROOT%  
\System32\WindowsPowerShell\v1.0\;C:\Program Files (x86)\Windows Live\Shared;;C:\Program Files (x86)\scala\bin;C:\Program Files  
(x86)\sbt\bin
```

- ii. Install the demo you wish to use:

- 2) Execute 'installOnLEP_Medical.bat'

Note: Compression to .gz is commented out in the bat file and needs to be done manually, then copied over manually.

Running OnLEP

Note: If you are using the sample configuration file, *COPD.cfg*, edit *JarPath* (line 6) to be the install location of OnLEP. Similarly edit the path listed at the end of the items "TestStatus" (line 12), "TestOut_1" (line 16) and "TestIn_1" (line 20) to match your install location.

1. Run the engine:
 - i. Execute:
 1. /path/to/install/loc/OnLEPManager-1.0 --config </path/to/config/file>
1. Example: `/tmp/OnLEPInstall/OnLEPManager-1.0 --config /tmp/OnLEPInstall/COPD.cfg`

1.

- i. You can see the input file here:
 - /path/to/install/location/msgdata/messages_new_format_all.csv.gz
 - ii. Then examine the following files to see the output.
 - /path/to/install/location/logs/output1.txt.gz
1. Quit the engine by typing "quit". Ctrl-C should also work.