**Readme for Solr installation and Indexing to Solr**:

1. svn co <http://svn.apache.org/repos/asf/lucene/dev/branches/lucene_solr_4_10/>
2. cd lucene\_solr\_4\_10/ and ant ivy-bootstrap
3. ant compile
4. cd Solr
5. ant dist
6. cd dist

7) mv solr-4.10.5-SNAPSHOT.war solr.war

8) cp ./solr.war ../example/webapps/

9) cd example

10) java -jar start.jar

It starts the solr instance on 8983 port.

**Indexing on Solr:**

1. Installed solrpy python library to connect to solr instance and index document
2. S=solr.Solr(‘http://localhost:8983/solr’)
3. Installed tika python to extract metadata from files
4. Extracted metadata using GeoTopic Parser, cTakes Parser and Tesseract OCR and added to json dictionary
5. S.add(index\_dict)
6. S.commit()

**Update Indexing on Solr:**

1. S=solr.Solr(‘http://localhost:8983/solr/collection1/update’)
2. Fetched document data based on unique “id” field and added updated fields to index\_dict
3. S.add(index\_dict)
4. S.commit()