# Steps for Setup and Installation of Athena KMS on VCSe

By Akshay Puri [edited by Simran Kaur 18-10-2018]

* Download ElasticSearch
* Download Kibana
* Download ElasticSearch Ingest attachment
* Download nltk
* Download setuptools
* Download six-1.11.0.tar.gz

1. First unzip all. [Except for ElasticSearch Ingest attachment]
2. Ensure you have python installed on your machine(on VCSe download anaconda 2 from their website, and install. Add python in Anaconda 2 to your PATH variable).
3. Install java 1.8 as well which would be needed.
4. Run the following commands:
   1. Navigate to unzipped file of six-1.11 and run python setup.py install
   2. Navigate to unzipped file of setuptools and run python setup.py install
   3. Navigate to unzipped file of nltk and run python setup.py install
   4. Modify the config folders of elasticsearch and kibana using the files from configElastic and configKibana.
   5. Navigate to unzipped file of elasticsearch and run:
      1. bin\elasticsearch-plugin install file:///[path to ingest-attachment zip] /ingest-attachment.zip (to install ingest plugin)
      2. elasticsearch.bat (to run elastic)
   6. Run and install kibana.bat. Check if Kibana is running on local [localhost:5601/]
5. Setup pipeline and index. Go to Kibana dev-tools and run KibanaDevTools.txt
6. Go to frontEnd and open fileCrawler.py. Edit the path to check for files for your machine.
7. Run “python webPage.py”. (REFERENCE for indexing: <https://beenje.github.io/blog/posts/parsing-and-indexing-pdf-in-python/>)
8. Open “localhost:5000/”. Submit file path to your shared drive/local drive folder.   
   This would crawl the files within folder and summarize them.
9. Once crawled and summarised would open the search page to search inside the documents of the crawled folder.
10. One can also open “localhost:5000/searchDir” to search for files already crawled.