Spark Setup Instructions

* Install python 2.7 or Get anaconda for python 2.7
* Check your python installation by running python from your Terminal
* Type Python in Terminal and it should show python interpreter for you
* Download Apache Spark from <https://spark.apache.org/>
  + We have used version 1.6.1 in our case
* After downloading extract the folder and move the extracted folder to the desired location
* Open the Spark folder and go to bin directory
* Set the JAVA\_HOME and SPARK\_HOME variable path /Alternatively you can set the path in bashrc file
  + export JAVA\_HOME=/usr/lib/jvm/<your jdk >
  + export SPARK\_HOME=/home/predix/<your spark folder>/
  + export PATH=$SPARK\_HOME/bin:$PATH
* Open Terminal and Type pyspark
* Pyspark console should start

Flask and CherryPy Setup Instructions

* Open Terminal
  + - easy\_install flask
    - easy\_install cherrypy
    - easy\_install numpy / pip install numpy
    - easy\_install paste
    - easy\_install pastedeploy
  + Make sure the spark path is set
  + Open the folder containing the python files and open the terminal in the current path
  + In the terminal type:
    - spark-submit <filename>

e.g. spark-submit server.py

* Open browser and type <http://localhost:8099/customer/10> (http://localhost:8099/customer/<customer\_Id>))
* You will get the json output