**README**

The folder contains the following:

1. connector.py: python program to generate postgres table, add data to the table every second and generate logstash logs
2. logstash.conf: logstash configuration file
3. Screenshots:
   1. Various visualizations of kibana logs [kibana\_log1-kibana\_log3]
   2. event table created postgres table created in postgres server
4. requirements.txt: python requirements file for the connector.py script

Run:

1. configure elastic search on port 9200, kibana on port 5601 and logstash on udp 5959
2. Launch the connector.py using python connector.py (Alternatively import project in PyCharm and run)
3. Dependencies include:
   1. Python2.7
   2. Psycopg2
   3. Time module
   4. Logging module
   5. logstash

the application creates the table **event** in postgres database (postgres\_db) with columns event\_id and event\_timestamp. This generates various informational or error logs like creating the table, inserting row, inserting specific data or failure if any. These logs are generated on udp port 5959 by logstash that are sent to kibana based on logstash.conf file. At kibana the logs can be filtered using the logging-handler name called python-logstash-logger.

For questions contact the dev: pinaksawhney5@gmail.com