

Milestone 6

For the final milestone, I wrote a python class to perform some basic queries on our Elasticsearch data. This elastic query class allows the user to get the total traffic and top talkers for the day prior, with the option to filter by vlans. This “filter by vlans” option queries phpIPAM for the “non-academic” vlan numbers that are used for our commodity services and excludes them from the calculations it performs. This is important because we only want to display public data and statistics as to where the commodity information should be private.

In the class, I have also included some basic functions to get access to the actual Elasticsearch object, that way, if needed, we can play around with the Elasticsearch API directly. This may be useful in many cases, one of them being if we want to add more functions to perform other queries on this data.