

Milestone 2

For Milestone 2, I was assigned the task of writing a script to export sflow records based on their vlan properties. Given command-line parameters, the script queries phpIPAM for either commodity or academic vlan ids. Based on the response of ids given by phpIPAM, the script then builds a query to pass on to elasticsearch for re-indexing. Once this query is built, the script reindexes (copies documents from one index to another) all sflow records that satisfy it. This is where the script ends. From here, we have several options for passing along these records to an external source. Some of these are by providing the IP location of this elasticsearch index, exporting the index to an external hard disk, or even by exporting the contents into a csv file.

Attached is the main script, which does the querying and re-indexing; along with this script is an open source file, that provides a python API for phpIPAM, which was modified to fit our needs and PEP8 standards.