TrafficAnalyzer Specification

# Summary

This tool is aimed at analyzing probe received at a probe in order to check the following information:

* All VLANs from received traffic are documented and all documented VLANs are in received traffic
* All IP addresses from received traffic are documented and all documented IP addresses are in received traffic
* Answer/response messages show symmetry overall
* Answer/response messages show symmetry by pair of IP addresses
* Message distribution per VLAN
* IP Decoration is correct

This tool completes the existing *validate-network.py* tool.

# Interface

Program Will receive one of two types of parameters:

-i list of interfaces, to sniff traffic from ports and perform the analysis

-f list of files, to analyze pcap files with pre-captured traffic