Reporting Pipeline

**OVERVIEW**

Construct a pipeline that inputs structured PDF reports from network agents and outputs summarized statistical overviews.

**GOALS**

The Project should be useable by non-technical personnel, and the outputted statistics should be clear and communicative. All points of user interaction will be evaluated by Nielsen Usability Heuristics. Internal structure should utilize a narrow scope of technical requirements to minimize dependency, follow the MVC Design Archetype and meet industry standards for SLDC and OOP.

**PRODUCTS**

*Input Pipeline*

The input pipeline will be a runnable script that parses the PDF reports submitted by network agents. Script will be constructed using Python, utilizing minimal third-party libraries to minimize dependency.

*Storage Database*

The storage database will be a relational database intended to house the raw outputted data from the input pipeline. Database design should be in third normal form. All interactions with the database should flow through automated stored procedures and functions, to minimize dependency on technical personnel.

*Reporting Platform*

Reporting Platform will be the viewable output drawn from the relational database. Platform should be system independent, viewable through a browser. Interactions will be minimized to reduce required network compatibility and permissions.