

Log File Analysis and Visualization

Objective:

This project aims to build a data pipeline that reads nginx log files, parses and cleans the data, stores it in a database, and generates visualizations to extract insights.

Project Steps:

1. Read and Parse the Provided Log File

- Task: Develop a Python script to read the nginx log file and extract relevant fields.
- Fields to Extract: IP address, timestamp, request method, URL, status code, response size (bytes) and query parameters

2. Clean the Parsed Data

3. Store the Data in a MySQL Database

4. Generate Visualizations

5. Document and Present Findings

Finally, send us project documentation including your visualizations, code, database models and explanation of each step.