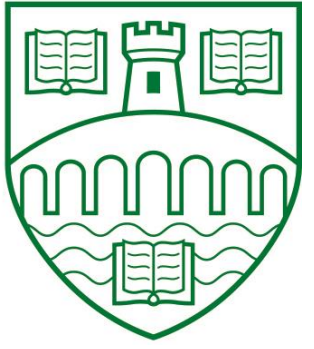


# Security Data Analysis using Web Server Log Files

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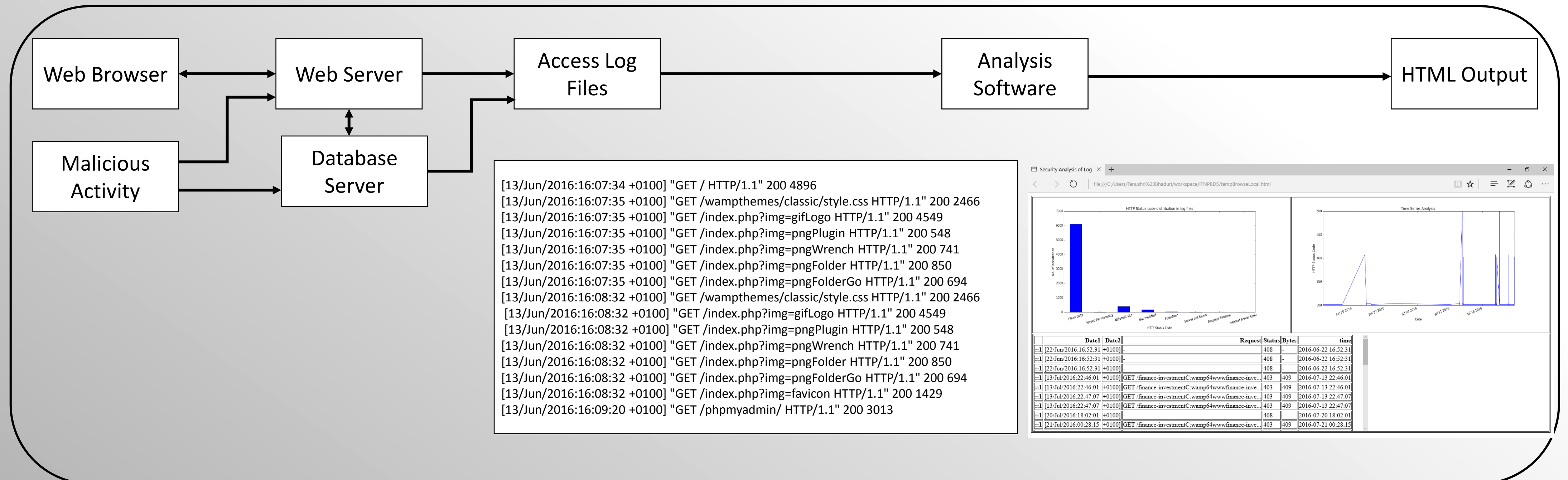


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The project aims to detect anomalies and security breaches of an HTTP sever by analysing log files for trends based on time and HTTP Access Codes.

- All servers log activity in readable format
- By analysing HTTP access codes and its frequency, attempts to hack can be determined.
- Analysis can be undertaken for a configurable time period, e.g. 1 day, 1 week, 1 month.

- Server logs are analysed and interpreted for visualisation using Pandas and Matplotlib.
- Real time HTML reports are generated for immediate assessment.



All technologies used are open source.

The model is OS independent.

Capable of scaling to analyse other server logs (SQL, Mail, System, File, Print)