**Surveillance and Persuader Reports**

Surveillance and Persuader Reports is developed using Angular 15 on the frontend and Node.js on the backend hosted on a Linux server. In the Node.js server, Express.js framework is used for building a REST API to retrieve data based on user-input search fields. A search is performed on an Elasticsearch NoSQL datastore using the Elasticsearch Search API. The results are sent to Angular to be displayed in a grid.

The Angular application contains 3 parts: header, footer and body. Body has most of the code and its subcomponents are created based on the functionality of the application. Services are used in the Angular app to communicate with the server and fetch REST data. An http call from the service communicates with the Node.js server to fetch results developed with Express.js framework.  
  
Different variables for prod, test, dev and local configurations which will be stored in a combination of environment files and server environment variables.

Report data is added to Elasticsearch by running Logstash on the batch server. Logstash will connect to the DB2 database and run select queries on a schedule. The results of these queries will be sent to Elasticsearch indexes.

NodeJS

Angular

Surveillance and Persuader Reports

REST

DB2

Logstash