For end-to-end strong authentication and authorization solutions which generate a great amount of system information via system logs, it is important to treat, store, and visualize the interactions between the elements, to analyze and evaluate how the system is working and what are the trends. To address this issue, the Kibana data visualization plugin for Elasticsearch will be employed.

The goal was to visualize the log data from phase 4 of the Hidra Security Protocol. Elasticsearch, a search engine, and Kibana, a data visualization plugin, were found to be the best options to reach this goal. After downloading all the needed software, a predefined dataset of systems logs was created using Microsoft Excel. The data was then imported to Kibana, and from there the visuals were created and placed on the dashboard. The graphics created were the total requests, the total amount of permitted accesses and denied access, requests per subject, requests per applied policies, requests per applied rules, and the requests per resource.

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