

Solving Real World Security Problems

Hacking and Protection

Enhancement of Software Components Analysis

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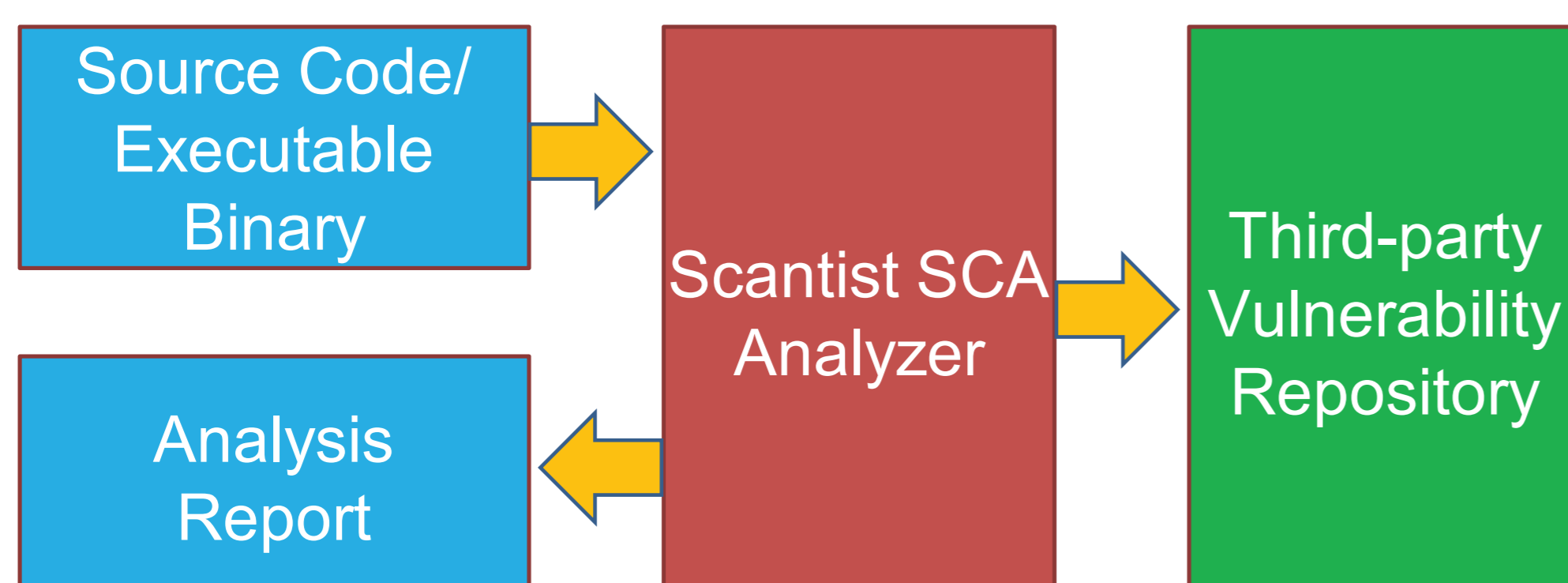
BACKGROUND

In recent years, the open-source components have become the most critical part of software development. To ensure the open-source components meet the security standards and the organizations are compliant with the required open source licenses, software component analysis is playing an essential role in secure software development.

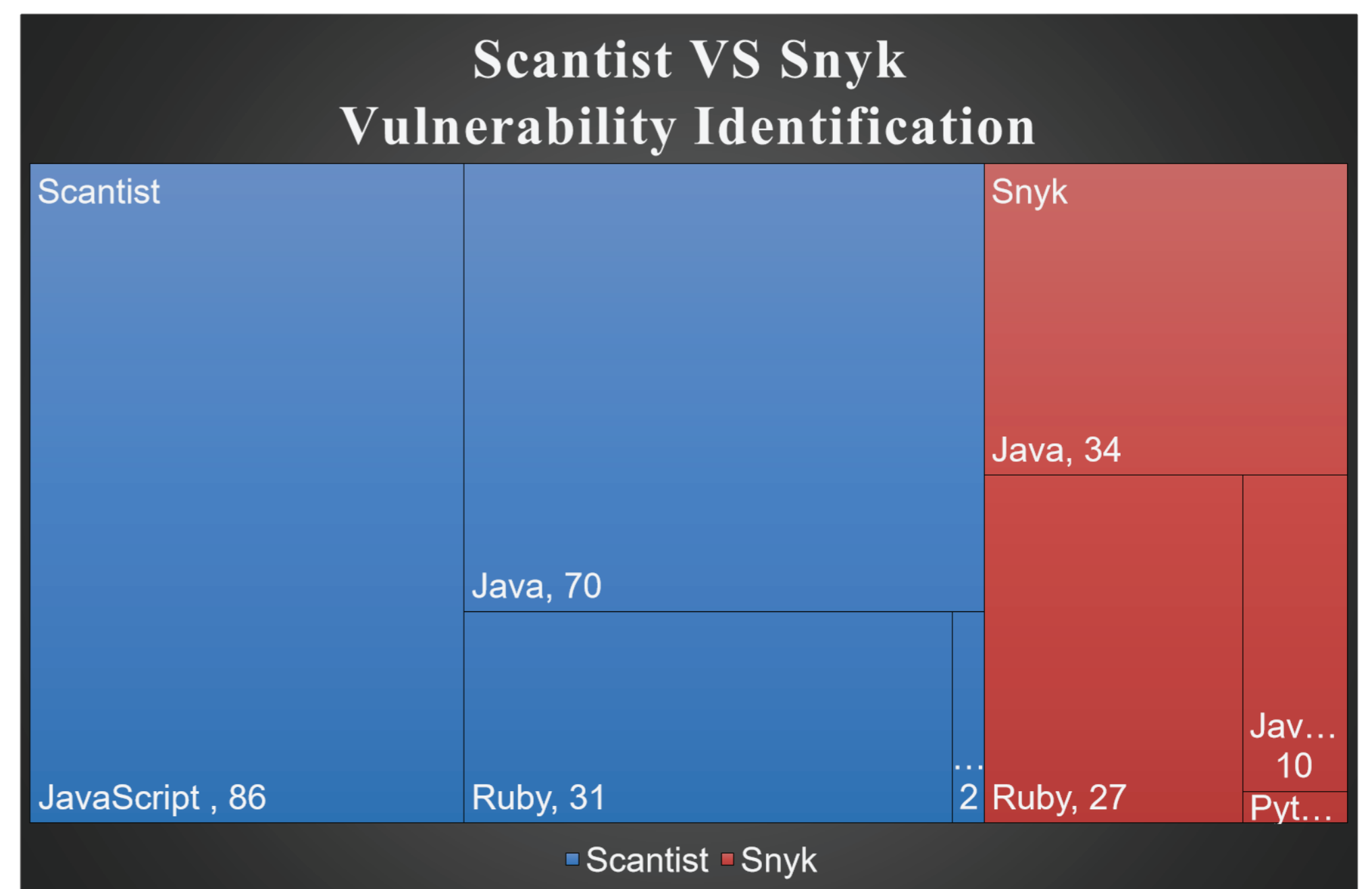
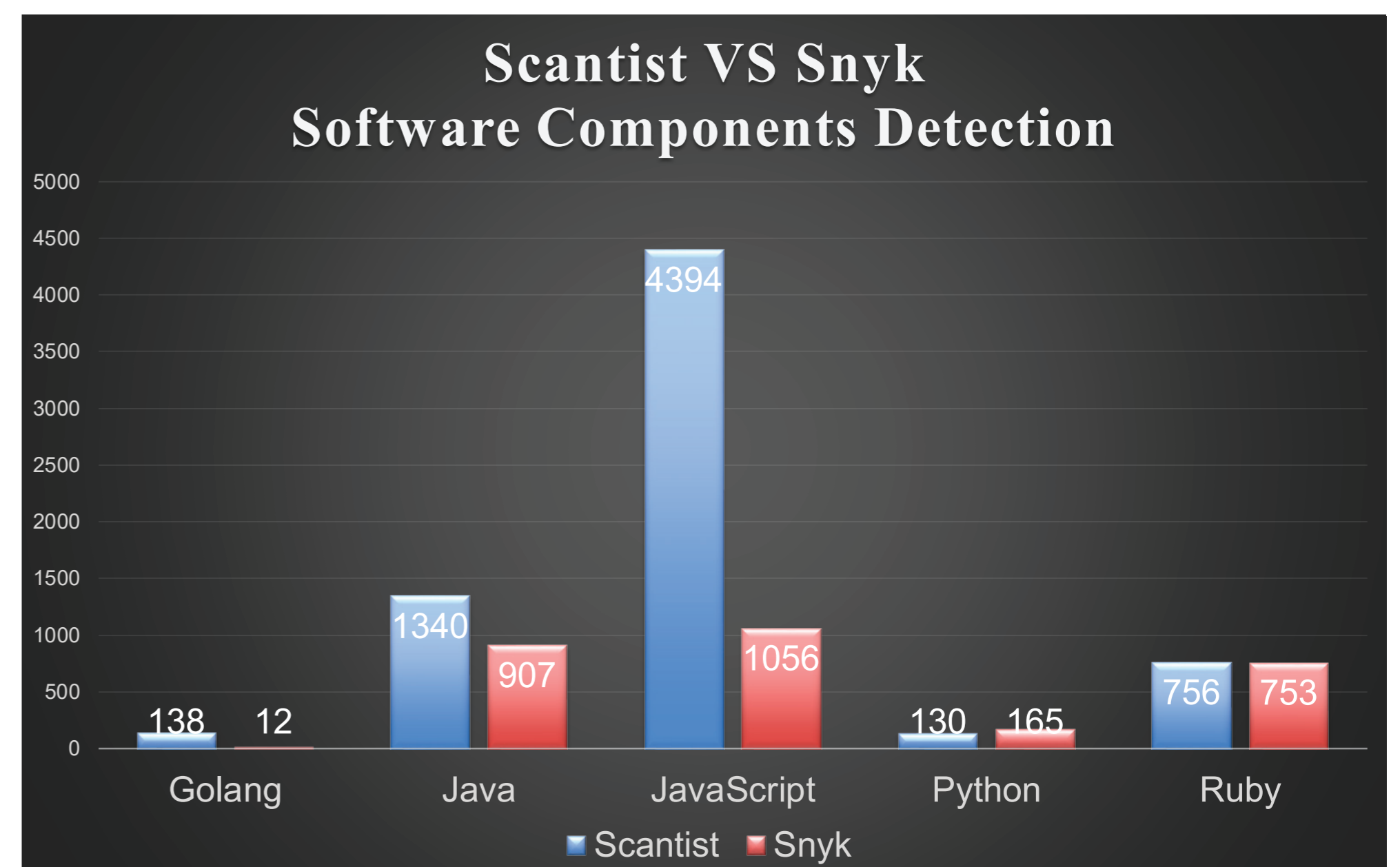
OBJECTIVE

The purpose of this research was to evaluate the Scantist SCA analyzer and compare the software components analysis result of 52 well-known web frameworks with the Snyk open-source SCA analyzer. It would help the Scantist researchers to improve the features and strengthen the market competition ability.

SYSTEM DESIGN



HIGHLIGHTED RESULT



CONCLUSION

A new version of Scantist analyzer had been developed after reporting the analysis results and application issues to Scantist researchers. The new Scantist SCA analyzer implemented the dependency graph checking feature, which improved the accuracy of the analysis and increased reliability.