

Which dependency is currently running in your Java project?







This can lead to:

- challenges in the detection of vulnerabilities [1];
- issues in **permission policy enforcement** at runtime [2];
- undetected bloated dependencies and unused dependency classes [3].

Classport:

- 1. Embedding of the Software Supply Chain information (GAV)
- 2. Retrieval of dependency information at runtime



CONTRIBUTION



References

Sharma, Aman, et al. "SBOM. EXE: Countering Dynamic Code Injection based on Software Bill of Materials in Java." arXiv preprint (2024).
Amusuo, Paschal C., et al. "ZTD_ JAVA: Mitigating Software Supply Chain Vulnerabilities via Zero-Trust Dependencies." arXiv preprint (2023).
C. Soto-Valero, et al. "Automatic Specialization of Third-Party Java Dependencies," in IEEE Transactions on Software Engineering, Nov. 2023