

Homework 2

Language Based Technology for Security

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Introduction

For this homework, i will present and discuss the paper "**MirChecker: Detecting Bugs in Rust Programs via Static Analysis**" by Zhuohua Li, Jincheng Wang, Mingshen Sun, and John C.S Lui [1]. This paper present a novel static analysis tool for the Rust programming language, focusing on detecting and preventing potential runtime crashes and memory safety bugs.

Paper Summary

Advantages

Disadvantages

Possible Improvements

References

- [1] Zhuohua Li, Jincheng Wang, Mingshen Sun, and John CS Lui. Mirchecker: Detecting bugs in rust programs via static analysis. In *Proceedings of the 2021 ACM SIGSAC Conference on Computer and Communications Security*, pages 2183–2196, 2021.