Software Engineering Seminar

Finding Bugs/Exploits with Symbolic Execution

Description

Exploits in software systems may pose big safety and security risks. Naturally, (automated) techniques to detect existing exploits are necessary to ensure the well-behaviour of software systems. In this context, symbolic execution, as, for example, used in [2], can be a powerful tool.

The student is to examine and discuss techniques using symbolic execution to detect bugs/exploits.

References


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