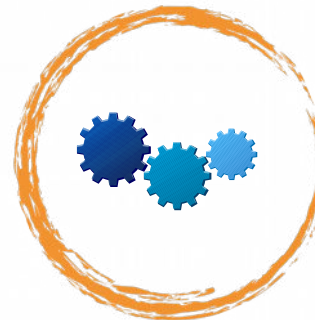


# Detection of Security Bugs Using Static Code Analysis

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Many hidden security bugs in the code  
– automatic analysis needed



Implemented static taint analysis traces data flow of malicious inputs



Focus on most dangerous weaknesses and the most popular language (Java)



Added to an existing tool, presented at Black Hat, 1<sup>st</sup> place in SVOČ



Existing tools missed most of the problems or reported too many false positives



Detection accuracy improved from 53% to 95% (Juliet TS)