

Leaky Operators in Languages (LOL)

Meron Zerihun Demissie, Todd Austin



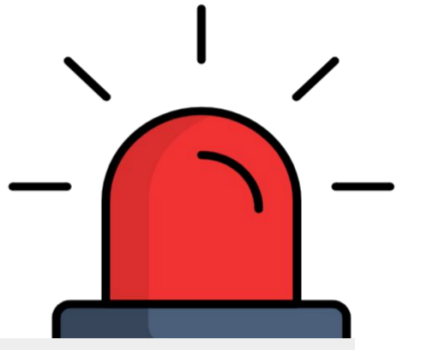
Motivation

Program behaviors can **leak** sensitive information.

```
if(secret && flag)
  do_something()
```

Writing **sensitive** applications is notoriously **difficult**.

Language-based Vulnerabilities



Originate from **subtle control dependencies** introduced by the semantics of operators in imperative languages.

LOL is no laughing matter.



Evaluation and Future Work

