Static analysis with VM consolidation
정적 분석을 통한 클라우드 환경에서의 가상 머신 병합 방법
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VM consolidation

Resource Contention: CPU, memory, storage, network, etc.
VM consolidation

Resource Contention Prediction

WCET* prediction

Static analysis

WCET*: Worst Case Execution Time
Static analysis with VM consolidation

Static analysis of WCET

- Worst Case Execution Time
- Overhead of dynamic analysis!!

- Static analysis on C binary code
- Analysis without annotations
- Support for current Intel architectures
- Program-level analysis rather than function-level one

Reasonably accurate WCET!!
QnA?
Thank you 😊