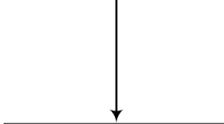


Laws and Ethics

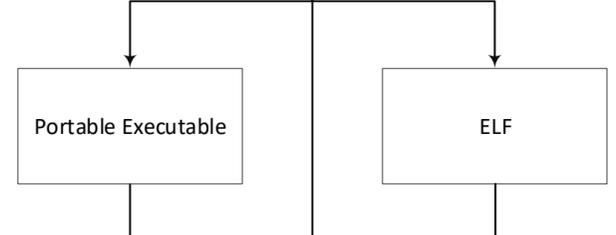


Architecture

- Cisc
- X86
- Von Neumann



Compilers



- Profile Library
- Difference between source and binary

Reverse Engineering

- Functions
- Calling Conventions
- IDAPro
- Ghidra
- Manual Decompilation



Automated Binary Analysis

- Dissassembly
- Angr
- Idapython
- r2scripting

Dynamic Binary Instrumentation

- Dynamiro
- Pin
- Diskin

Symbolic Execution

- Angr
- Source to destination equation

Dynamic Taint Analysis

- SAT solver
- SMT solver
- Concolic Execution

Fuzzing

- AFL
- Always be Fuzzin!

Full Automated Exact De-
compilation