Compilers and Formal Languages (10)

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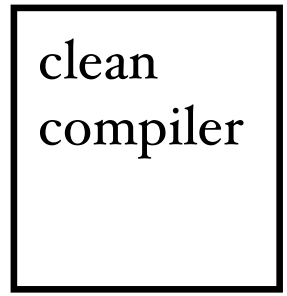
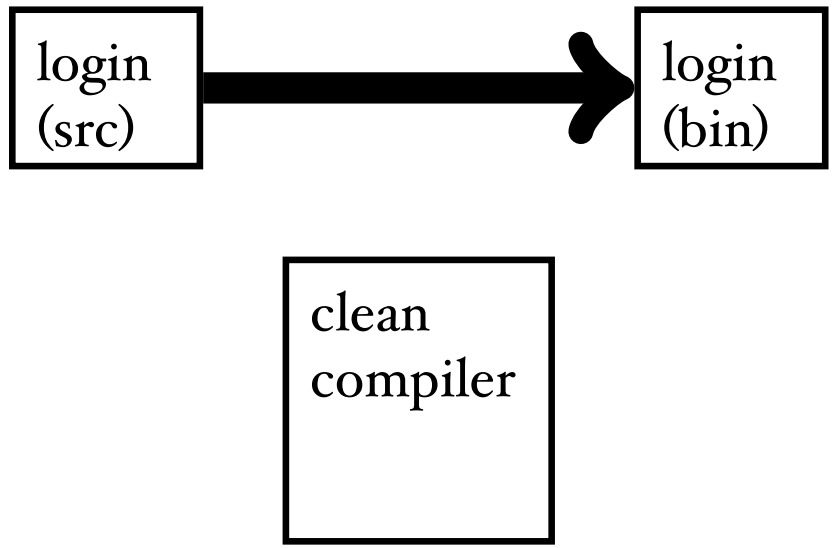
Slides: KEATS (also home work is there)

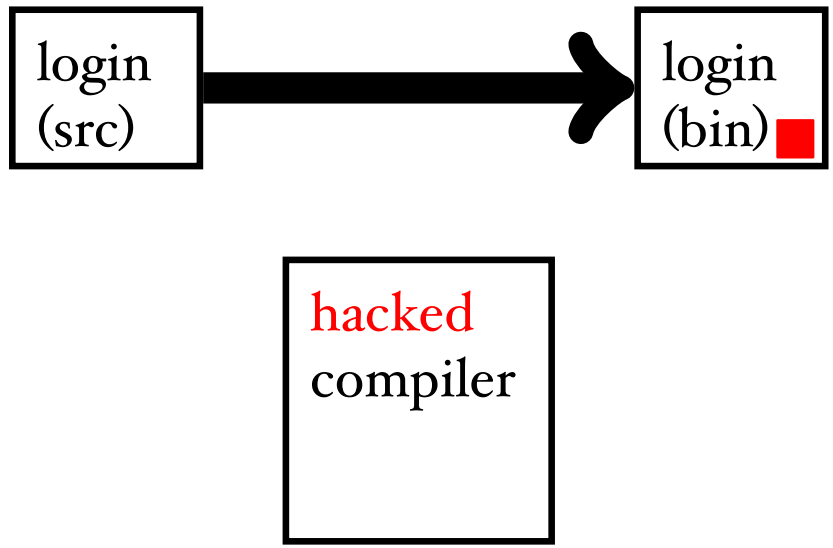
Using a compiler,
how can you mount the
perfect attack against a system?

What is a perfect attack?

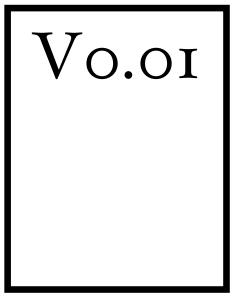
1. you can potentially completely take over a target system
2. your attack is (nearly) undetectable
3. the victim has (almost) no chance to recover


clean
compiler


login
(src)
login
(bin)
clean
compiler


login
(src)
login
(bin)
hacked
compiler

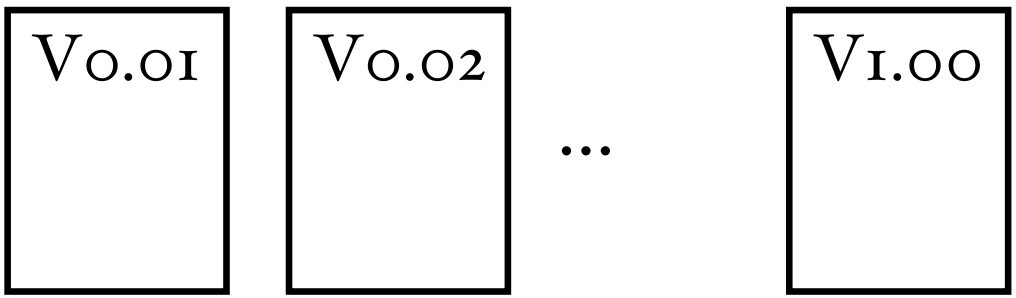
my compiler (src)



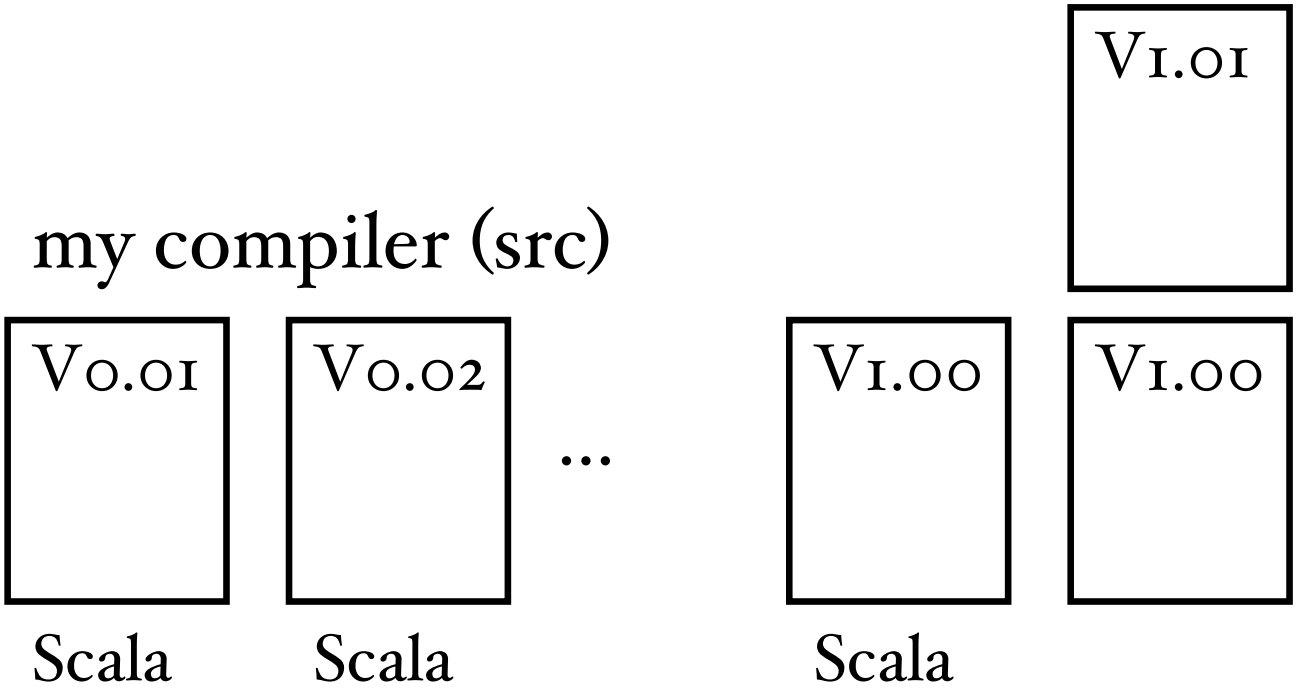
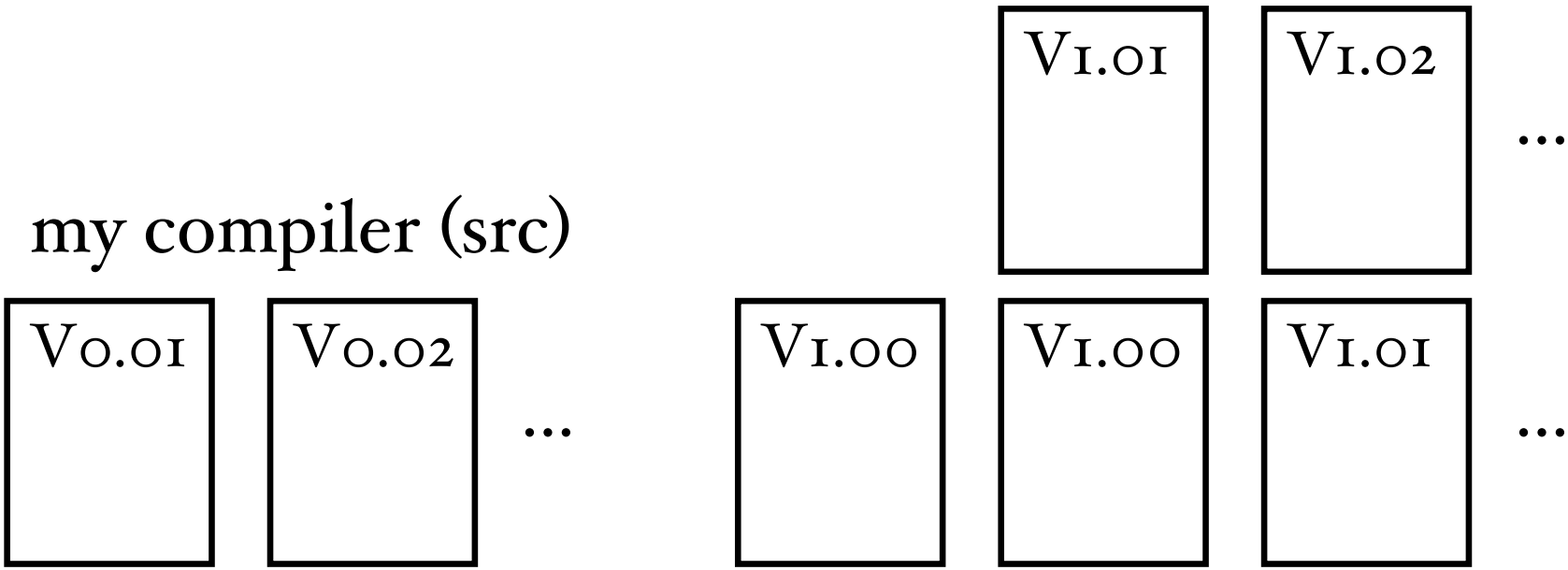
Scala

host language

my compiler (src)



host language


V1.01
my compiler (src)
V0.01
V0.02
...
V1.00
V1.00
Scala
Scala
Scala
host language

my compiler (src)