BUILD AND TESTING ENVIRONMENTS AS CODE

...because life’s too short not to

Charles Korn
MegaBank, Inc.
International transfers service

Exchange rate service

Postgres database
Development environment

Build environment

Testing environment(s)
THE STATUS QUO
INSTALL
ALL THE THINGS
WHAT'S WRONG WITH THE STATUS QUO?
Build environments
(In)consistency
Onboarding time
Making changes is hard
No isolation
Overhead
Reproducibility of builds
Team autonomy
(or lack thereof)
Test environments
It’s painful
It’s painful

...which leads to further pain
CODE FOR SIX MINUTES
DEBUG FOR SIX HOURS
THE IDEA
Build environment
Consistency
Lightweight
Ephemeral

...which makes caching impossible
Quick onboarding time
Easy to make changes
batect

build and test environments as code tool
DEMO
Test environment
Exchange rate service

International transfers service

Postgres database
International transfers service

Exchange rate service

Test driver

International transfers service

Postgres database
batect

build and test environments as code tool
DEMO
The BEATLES

All You Need Is

Baby. You're a Rich Man
BUT...
IDE integration
ARE YOU FAMILIAR WITH THE OLD ROBOT SAYING

"DOES NOT COMPUTE"?
QUESTIONS?
THANK YOU

github.com/charleskorn/batect
github.com/charleskorn/batect-sample-java
github.com/charleskorn/batect-sample-ruby