



# BUILD AND TESTING ENVIRONMENTS AS CODE

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*...because life's too short not to  
Charles Korn*

**MegaBank, Inc.**

Exchange rate  
service

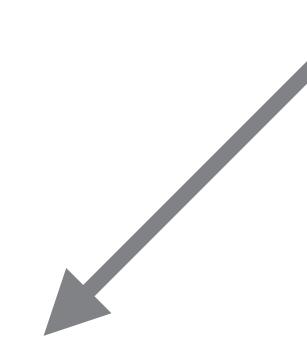


International  
transfers service

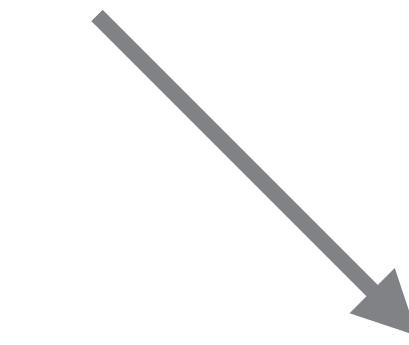
•  
•  
•

Postgres  
database

*Development environment*



*Build environment*



*Testing environment(s)*

# THE STATUS QUO

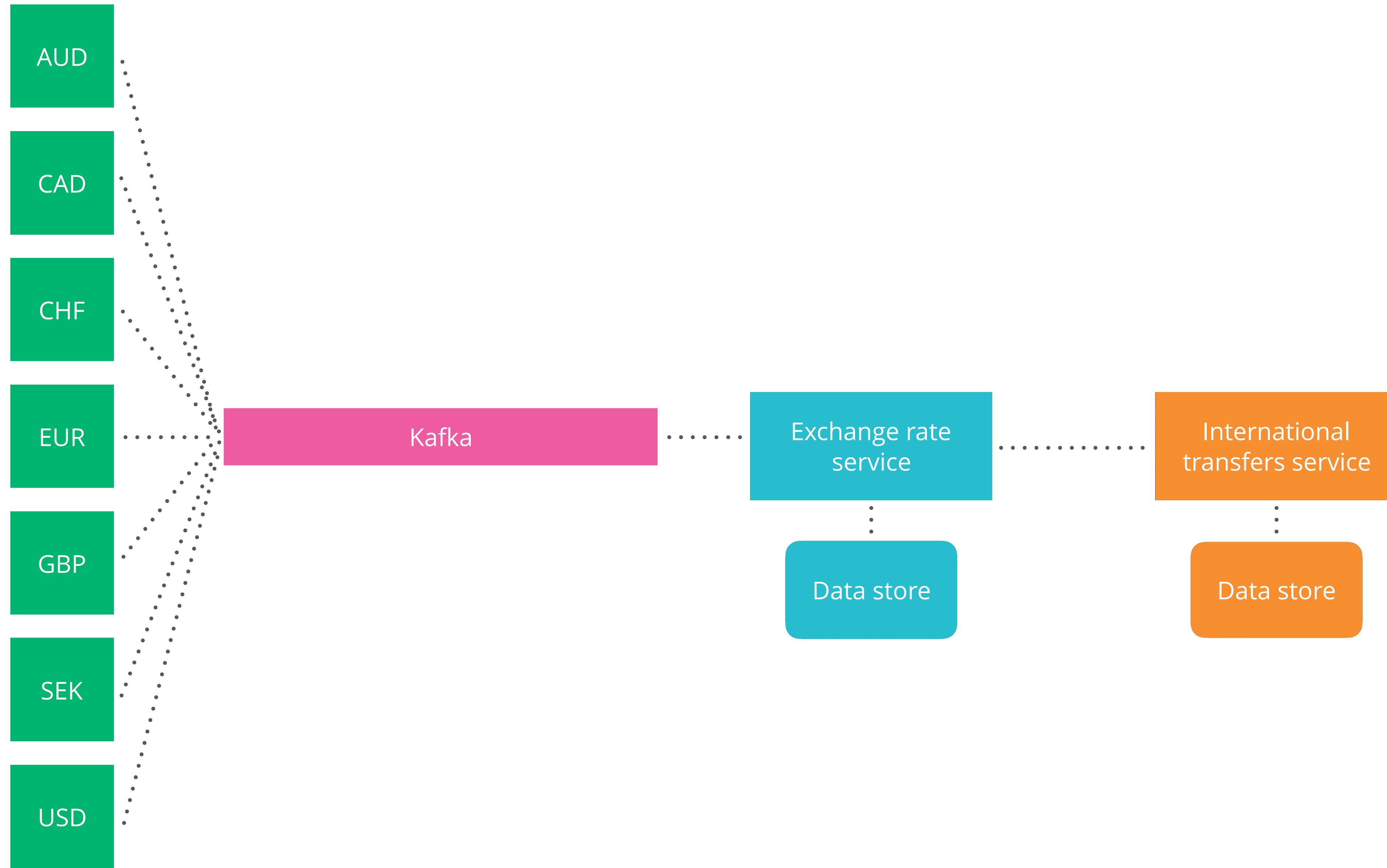
INSTALL

ALL THE THINGS

quickmeme.com



VAGRANT



# 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*

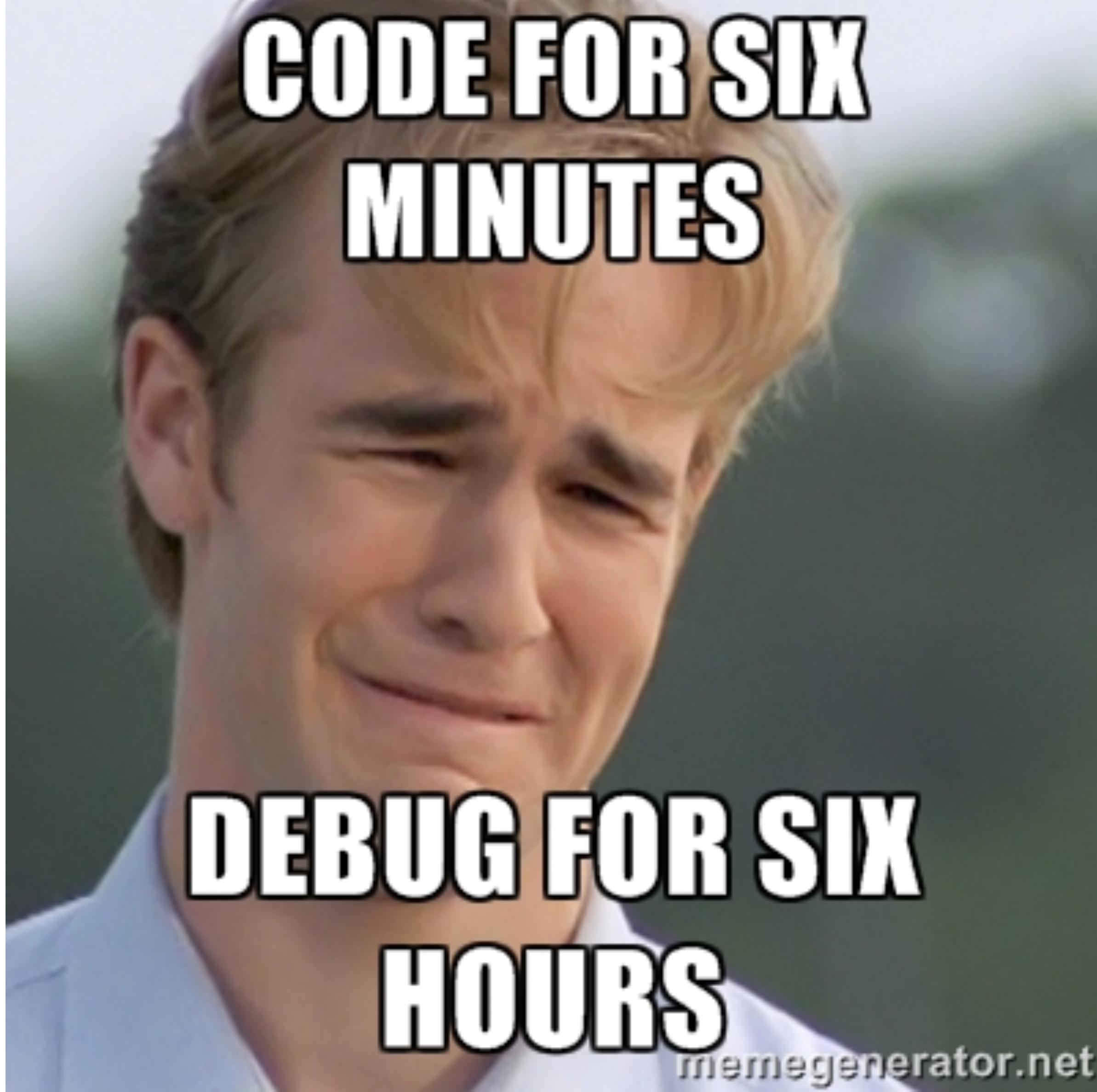
*(or lack thereof)*

*Test environments*

*It's painful*

*It's painful*

*...which leads to further pain*



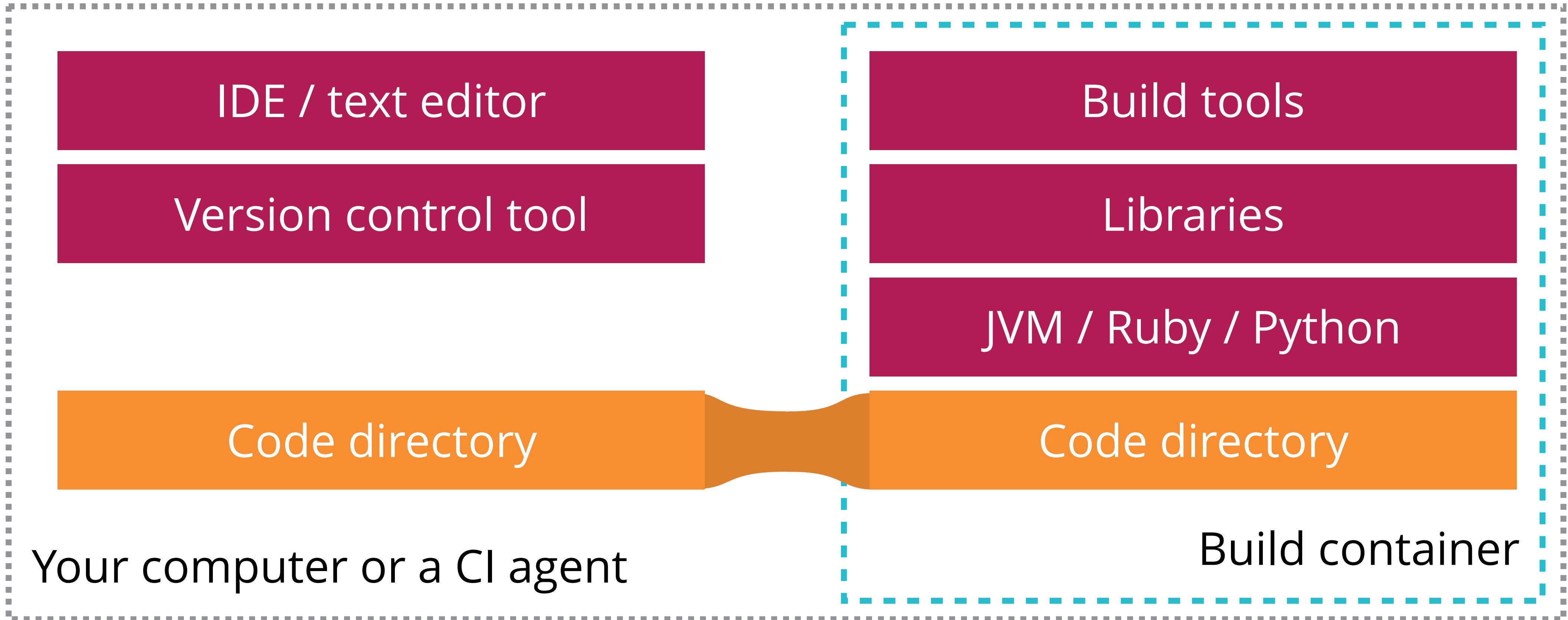
**CODE FOR SIX  
MINUTES**

**DEBUG FOR SIX  
HOURS**



# THE IDEA

*Build environment*



*Consistency*

*Lightweight*



*Ephemeral*

*Ephemeral*

*...which makes caching impossible*

*Quick onboarding time*

*Easy to make changes*

*batect*

***b*uild *a*nd *t*est *e*nvironments as *c*ode *t*ool**

# DEMO

*Test environment*

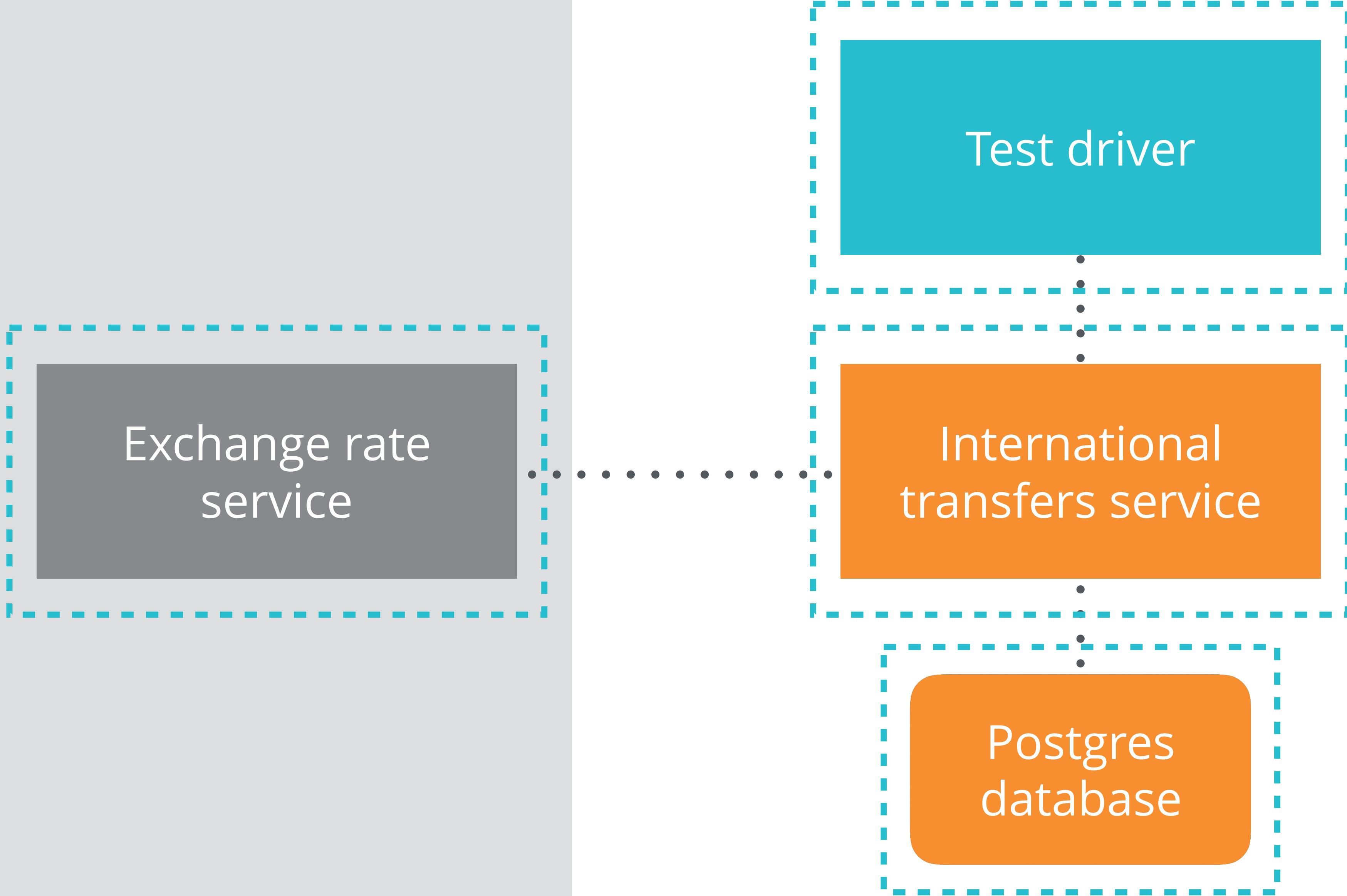
Exchange rate  
service



International  
transfers service



Postgres  
database



*batect*

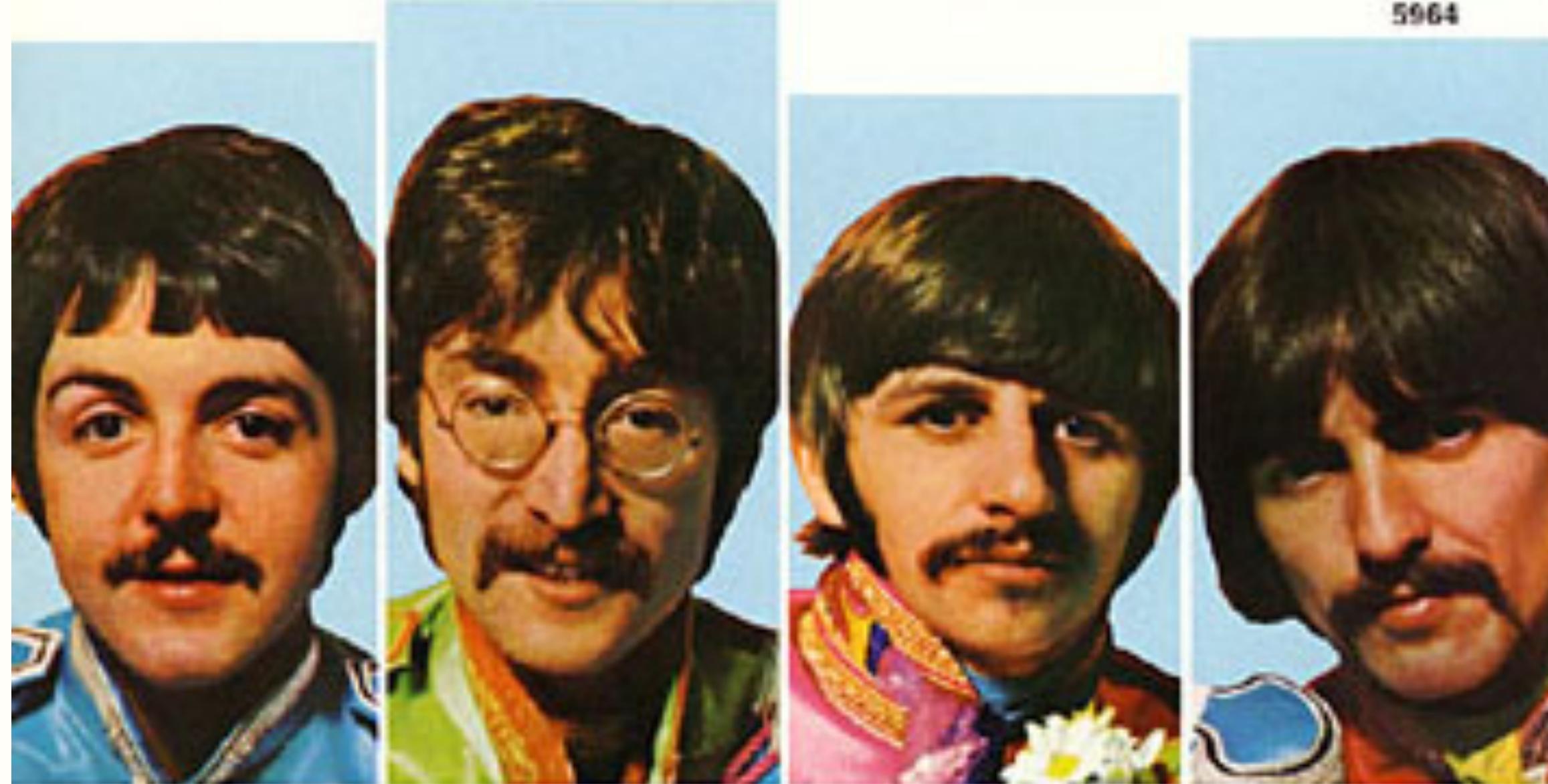
***b*uild *a*nd *t*est *e*nvironments as *c*ode *t*ool**

# DEMO

# The BEATLES

## All You Need Is docker

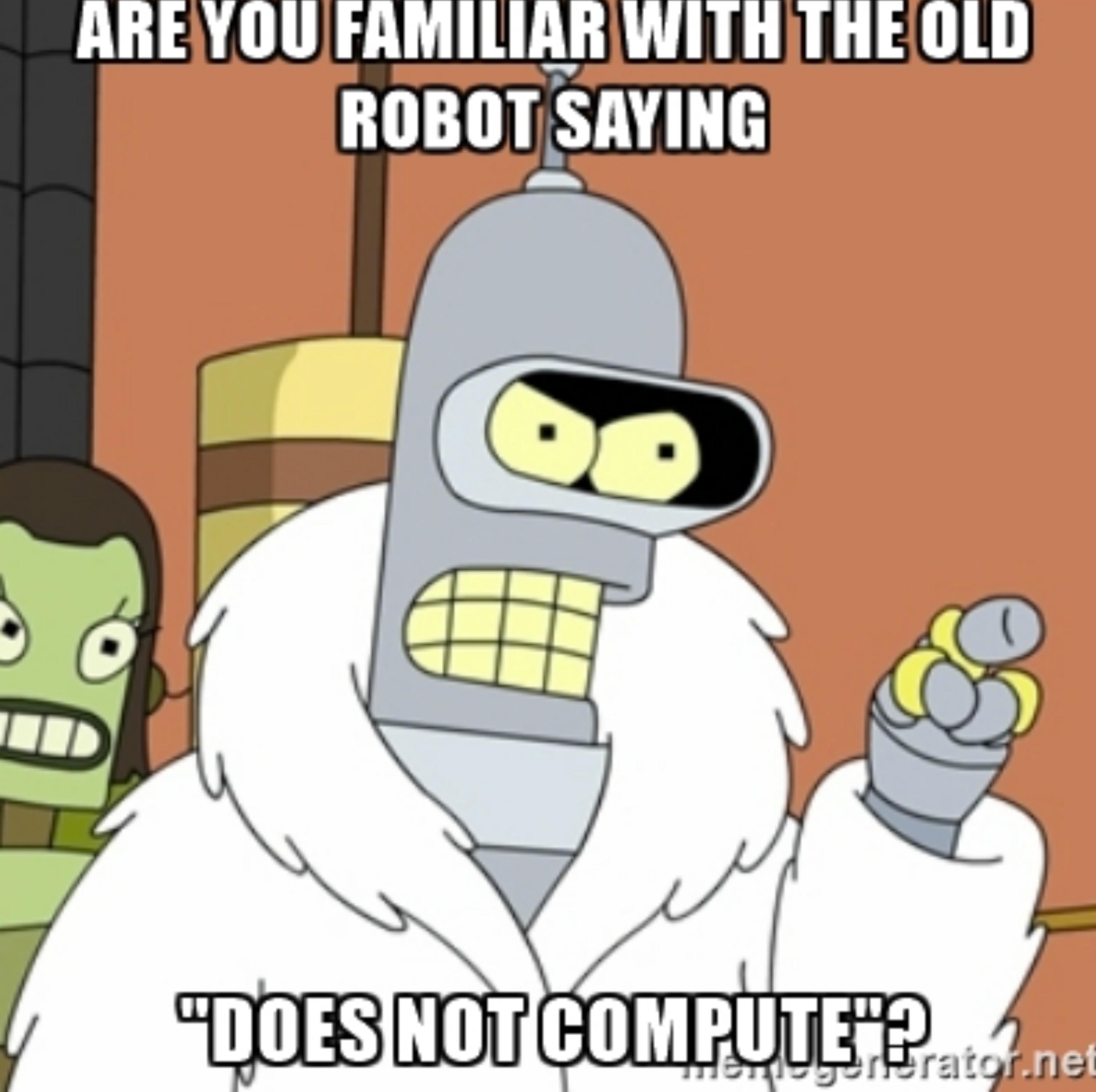
### Baby, You're a Rich Man



**BUT...**

*IDE integration*

**ARE YOU FAMILIAR WITH THE OLD  
ROBOT SAYING**



**"DOES NOT COMPUTE"?**



# QUESTIONS?

# THANK YOU

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*github.com/charleskorn/batect*

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

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

ThoughtWorks®