

An Enterprise Cumulonimbus?

MARTIN FOWLER

ThoughtWorks

<http://martinfowler.com>

REBECCA PARSONS

ThoughtWorks

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~1000 people world-wide

6-60 staff

Java

Lease Quoting and Origination



Chicago and Bangalore

Product for Insurance Brokers

40 people in London and Bangalore

1999-2009

Used internally and by dealers



Collaborative project management product

.NET

News website and content management



Ruby on Rails

release every 2 weeks



Sydney, Beijing, and San Francisco

750 req/s

London

Java

Experiments



Clojure
(John Hume,
Phillip Calçado)

GWT and JDO
(Sriram Narayam)

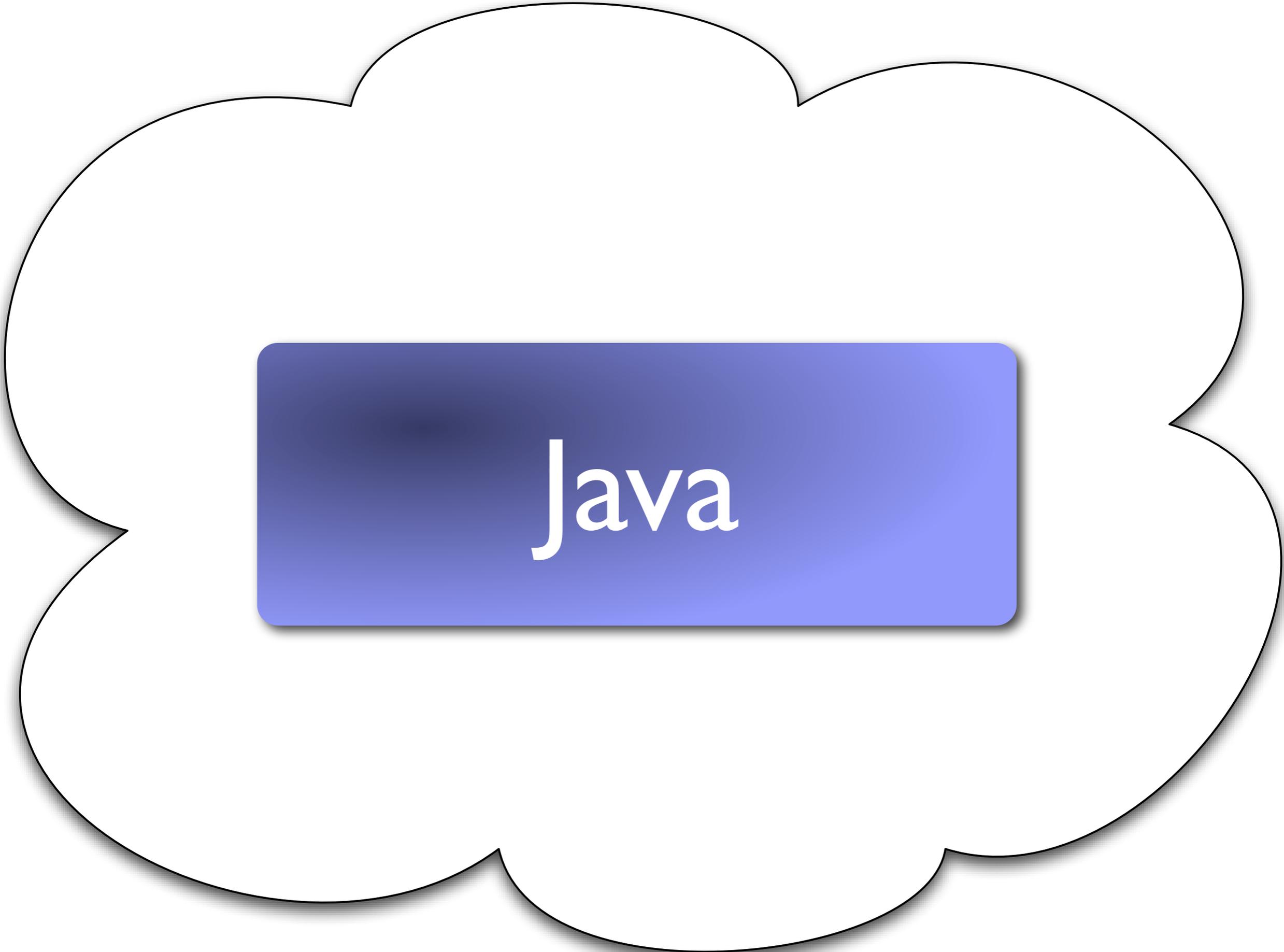


JRuby
(Ola Bini)

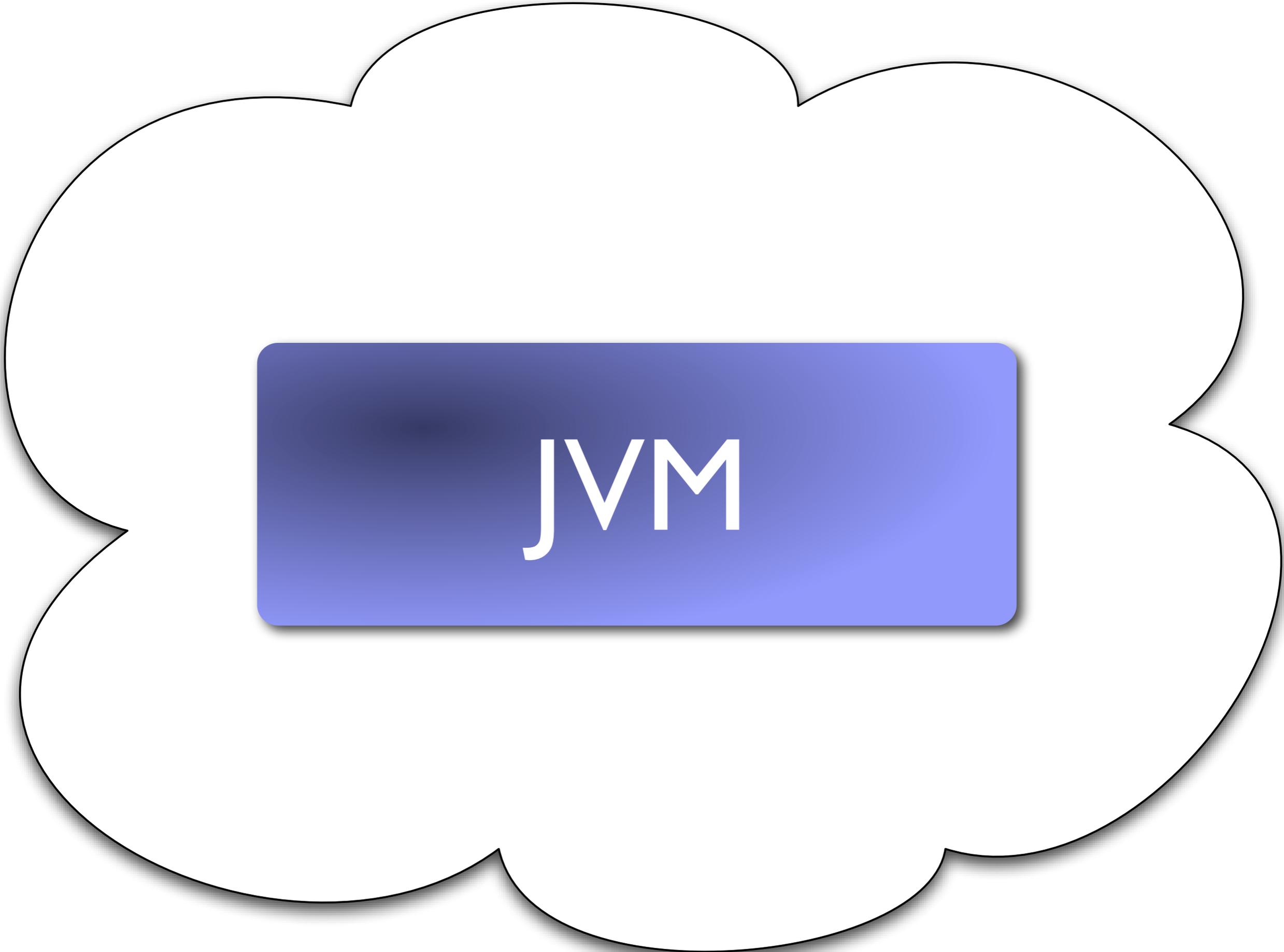


Rich Clients
(Paul Hammant)





Java



JVM

Clojure

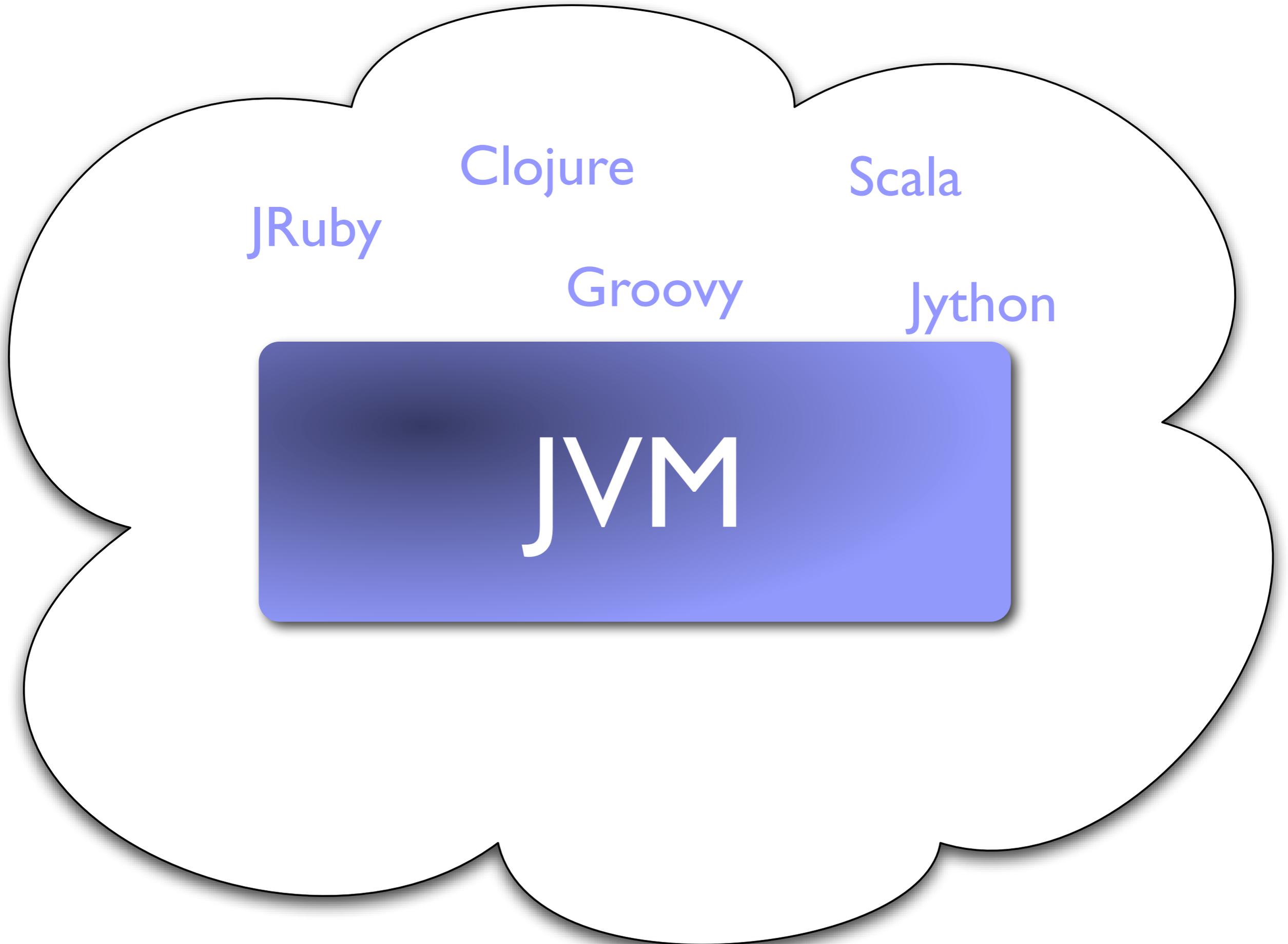
Scala

JRuby

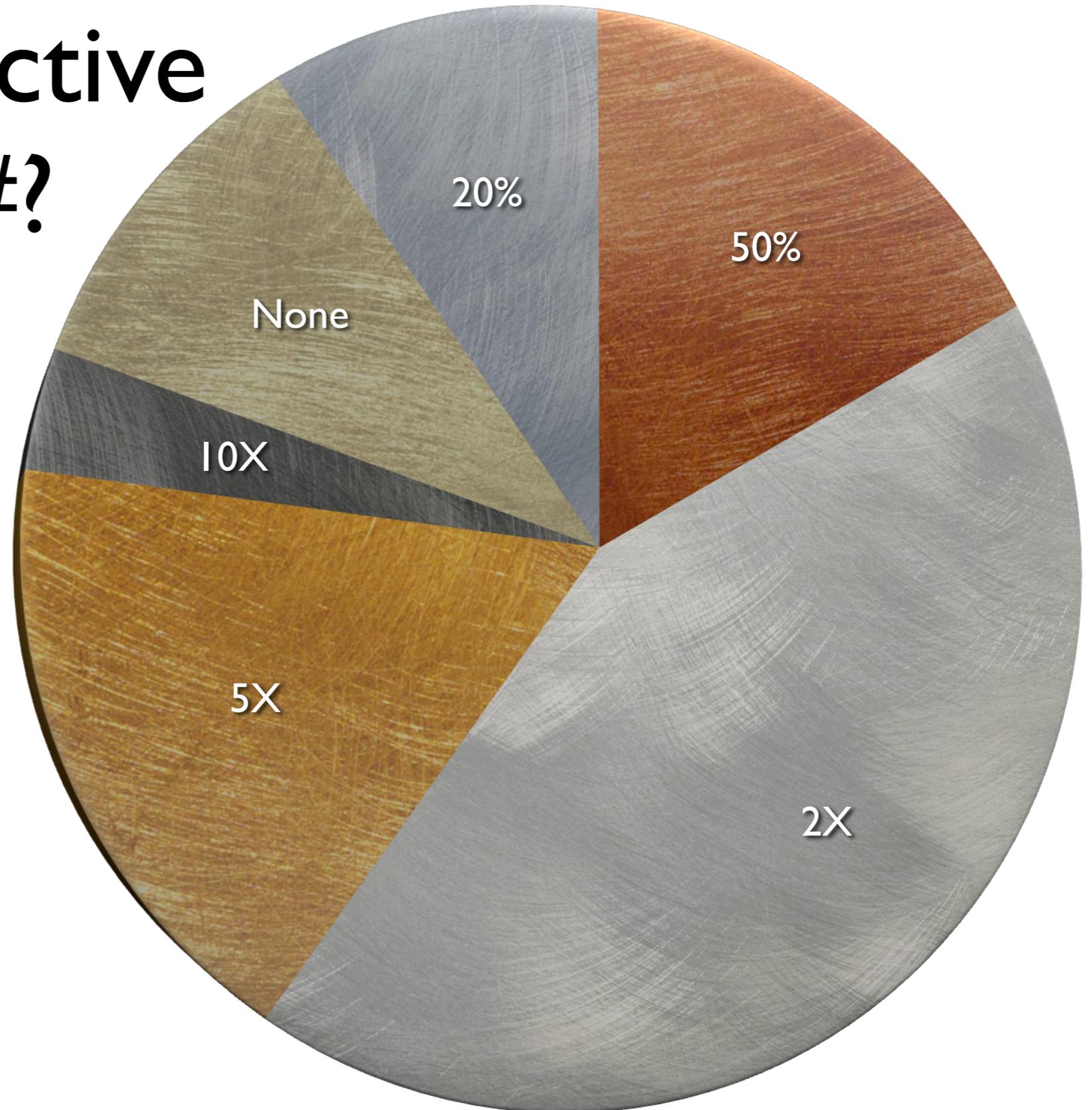
Groovy

Jython

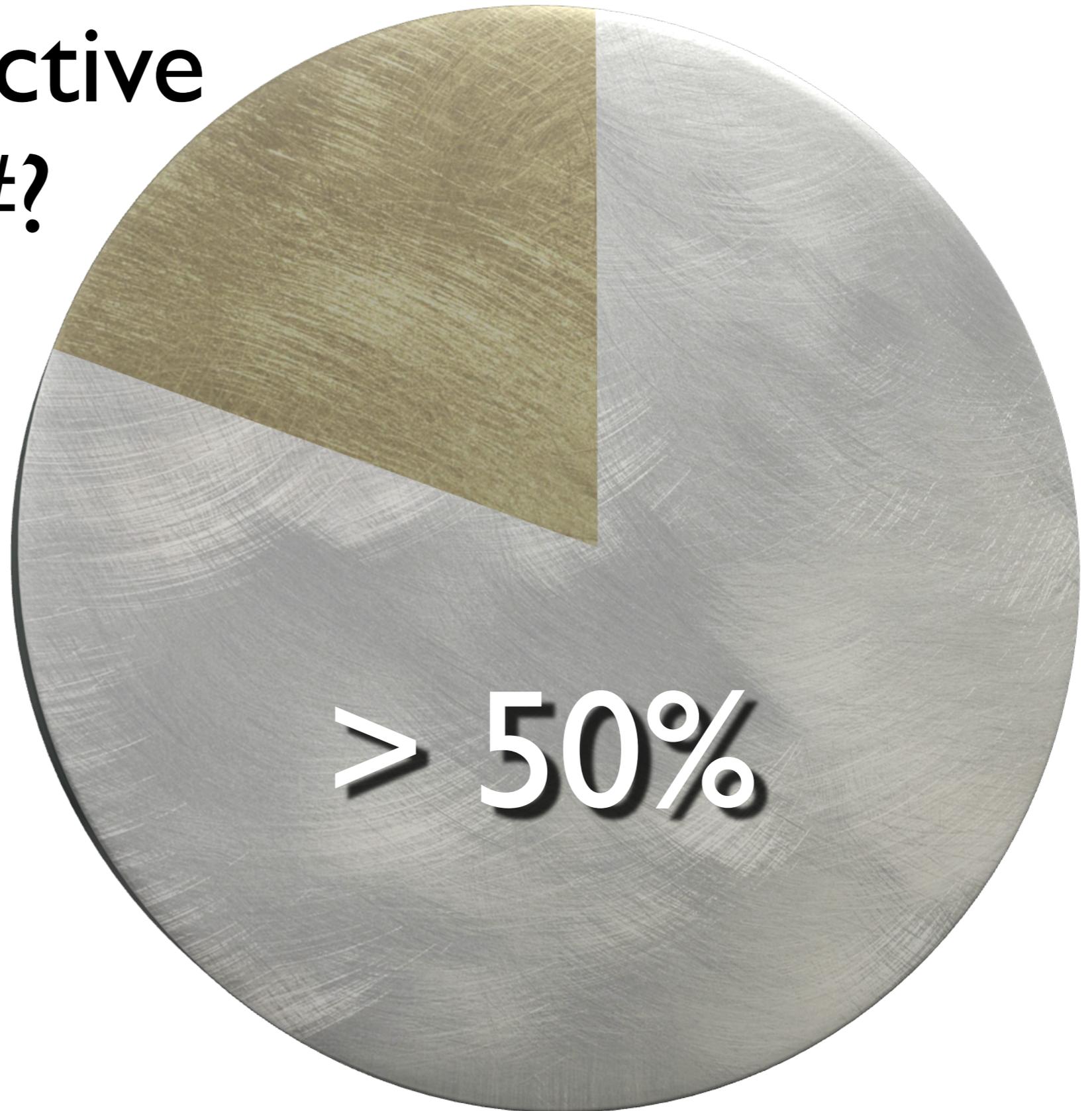
JVM



How Much is Ruby More Productive than Java/C#?



How Much is Ruby
More Productive
than Java/C#?



Clojure

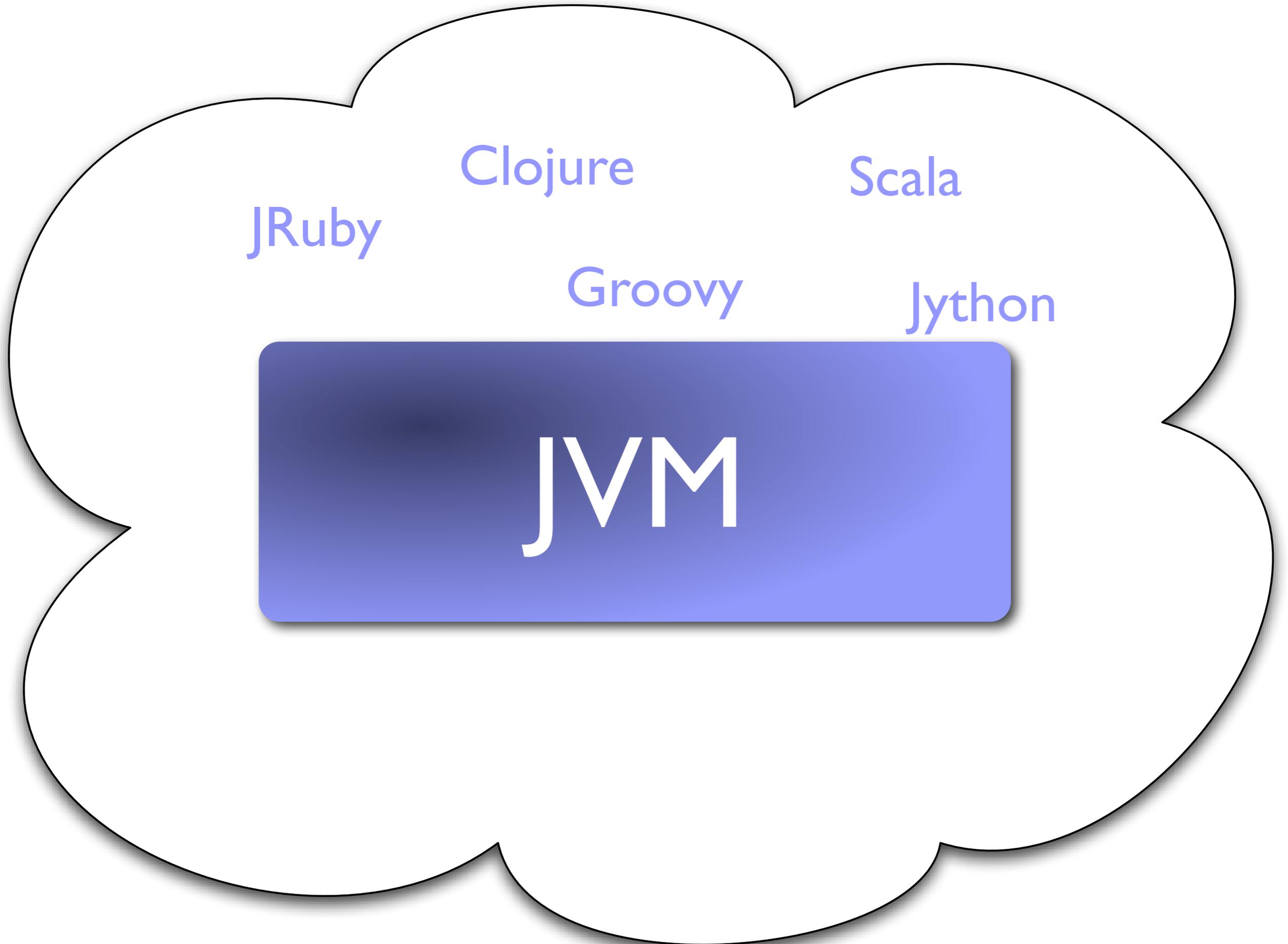
Scala

JRuby

Groovy

Jython

JVM



Java

- JVM



Testing



Persistence



Concurrency



Testing

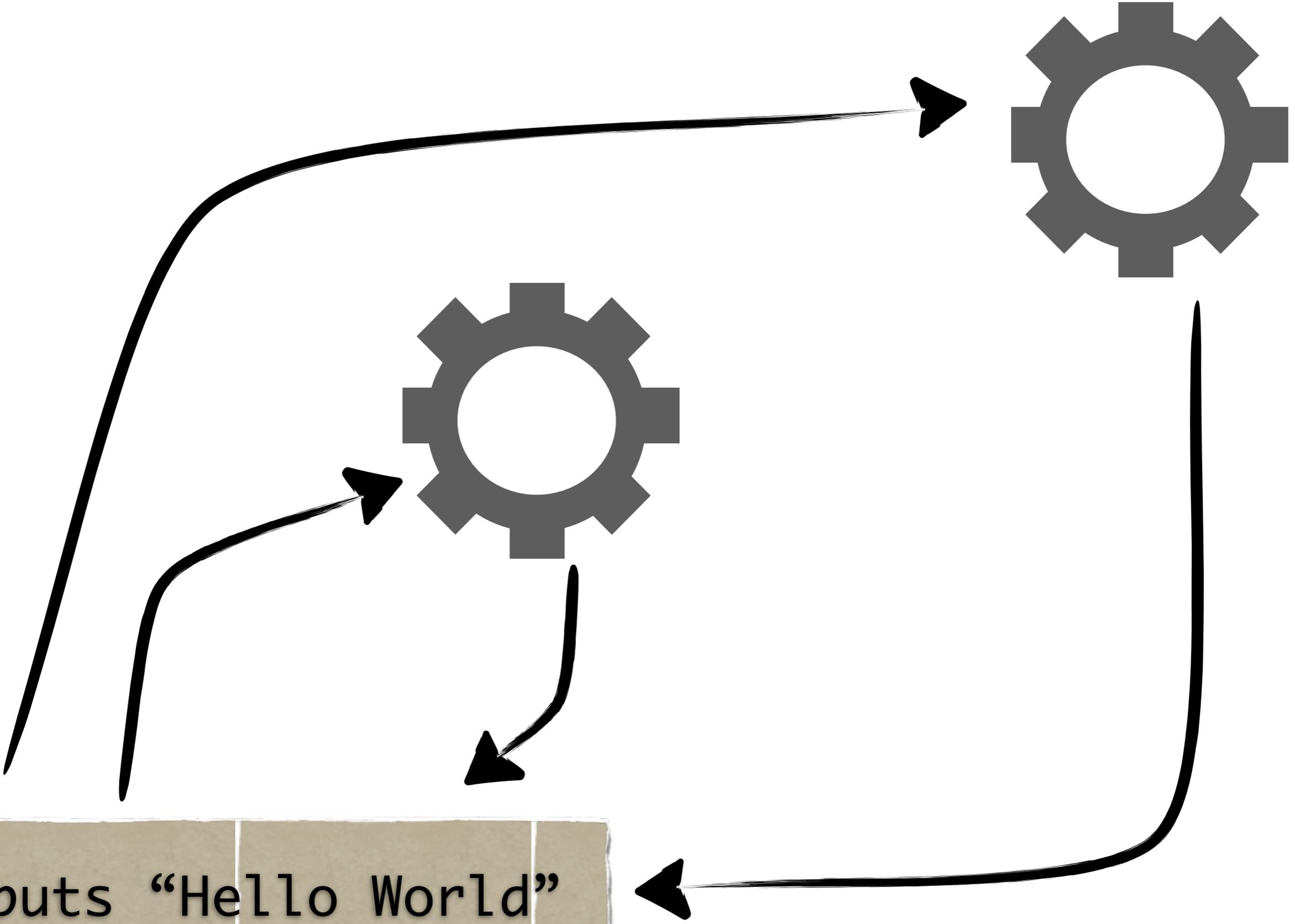


Persistence



Concurrency

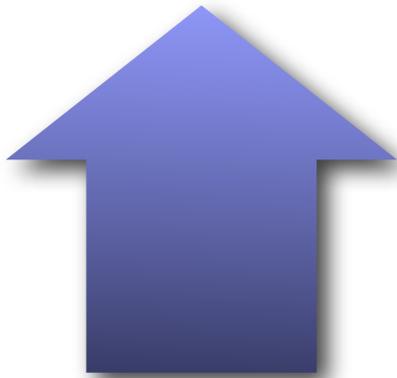
puts "Hello World"



poor clone

Local Dev Server

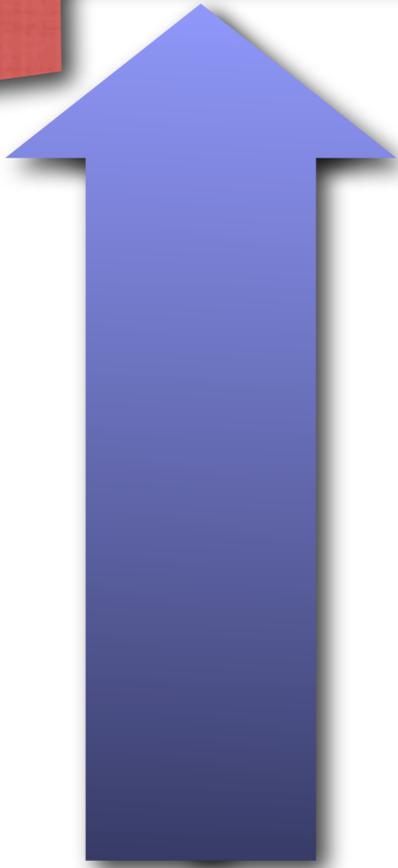
service stubs



GAE

startup

no runner



```
puts "Hello World"
```



Testing



Persistence



Concurrency



Testing



Persistence



Concurrency

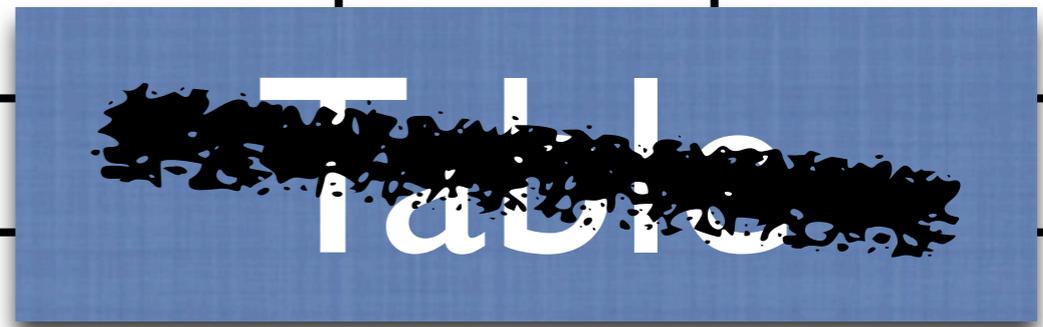
“anchor:cnnsi.com”

“contents:”

“anchor:my.look.ca”

	“<html>...”	“CNN”	“CNN.com”	

“com.cnn” →



"com.cnn"	

"contents:"	
"anchor:cnnsi.com"	
"anchor:my.look.ca"	

<html>...

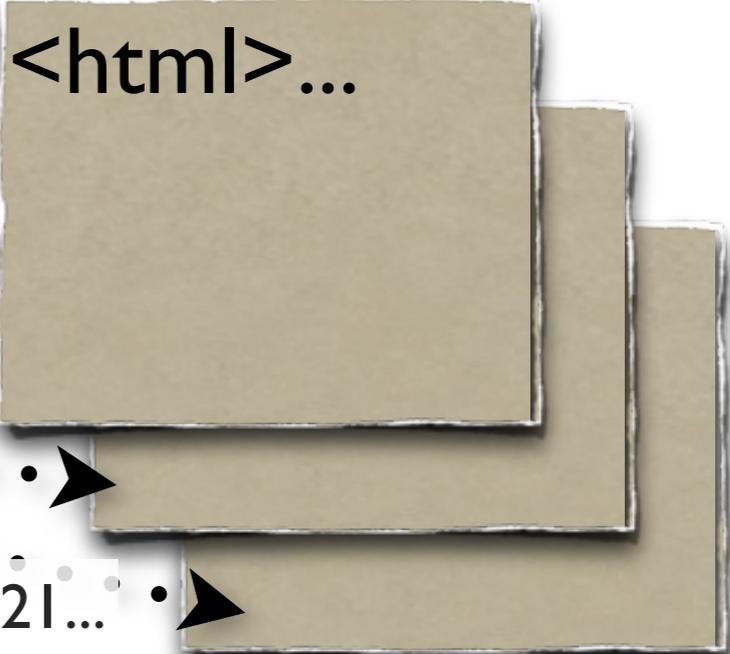
CNN

CNN.com

Nested HashMap

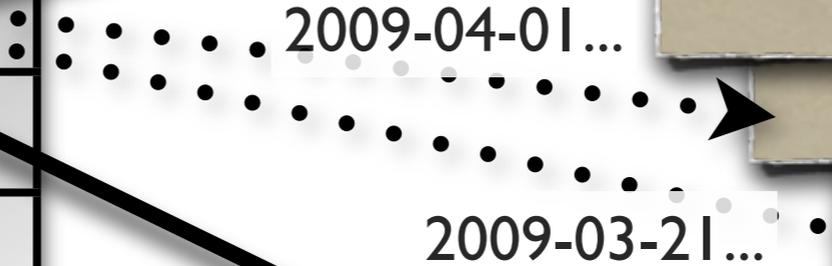
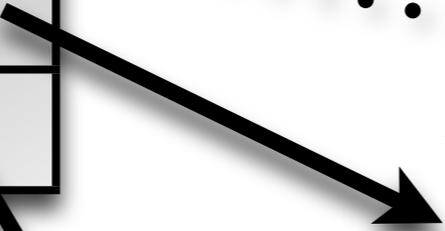
“com.cnn”	

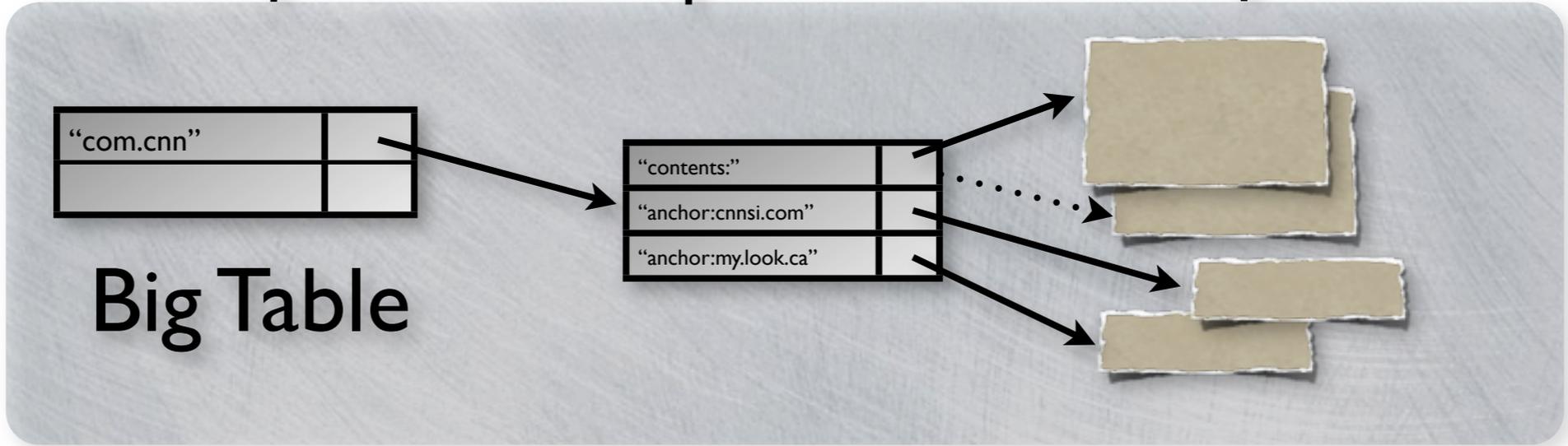
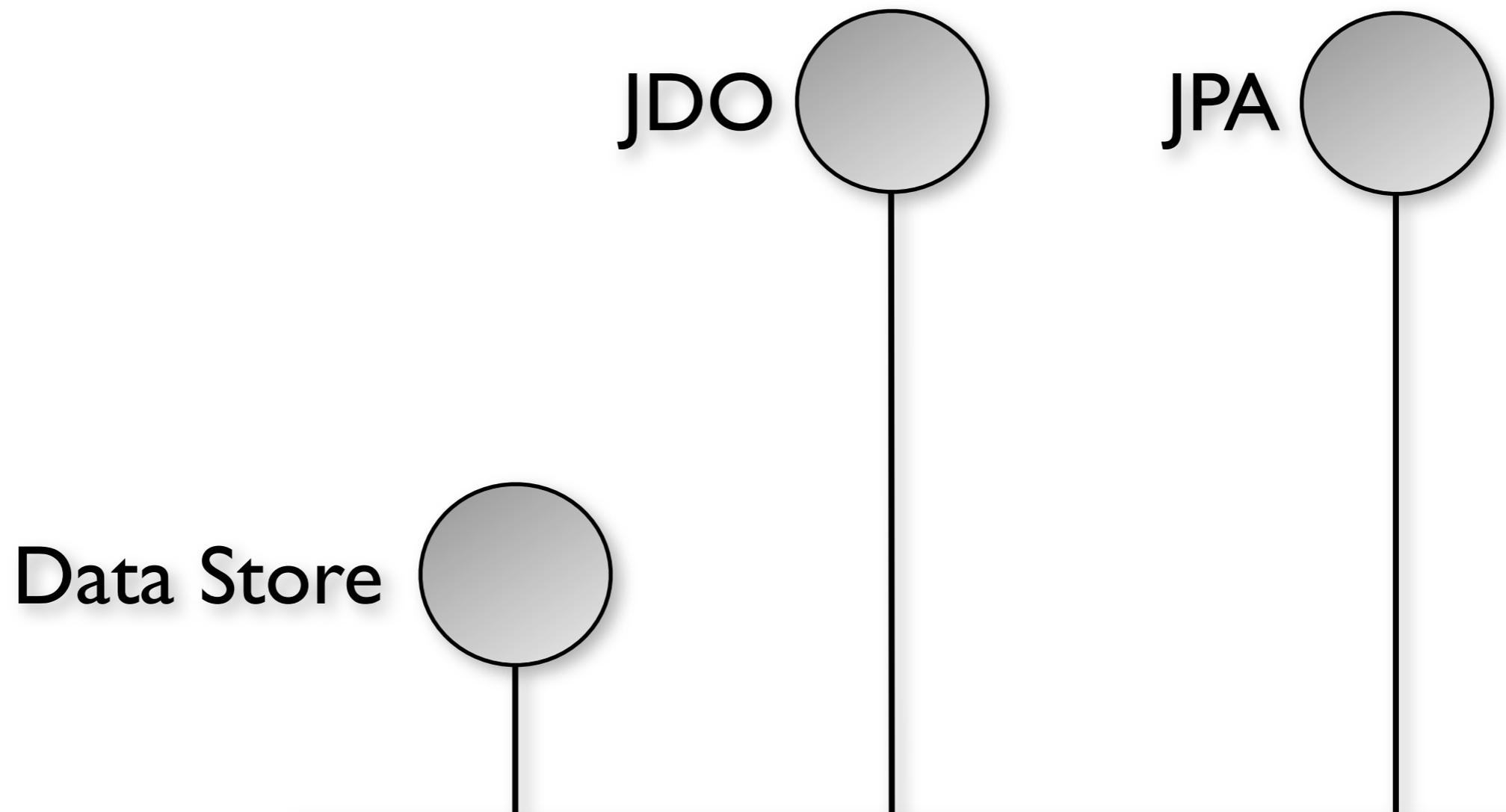
“contents:”	
“anchor:cnnsi.com”	
“anchor:my.look.ca”	



CNN

CNN.com







Testing



Persistence



Concurrency



Testing

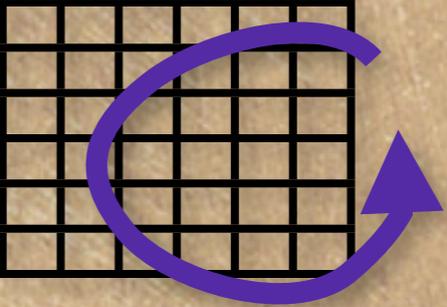
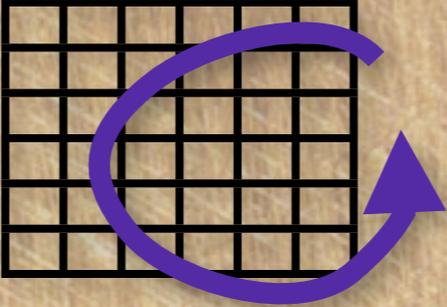
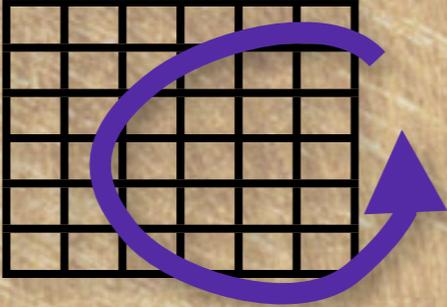


Persistence



Concurrency

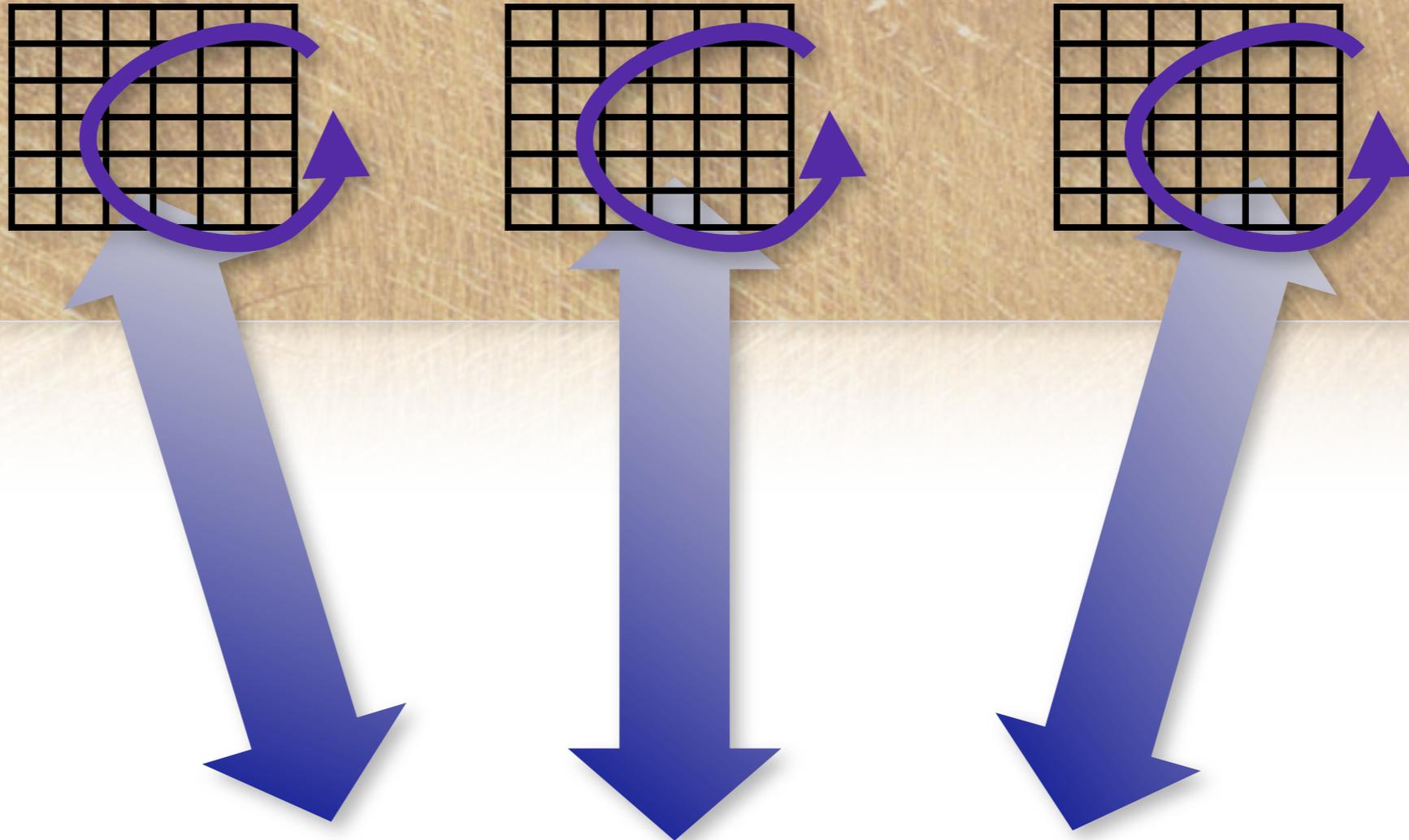
GAE



JVM



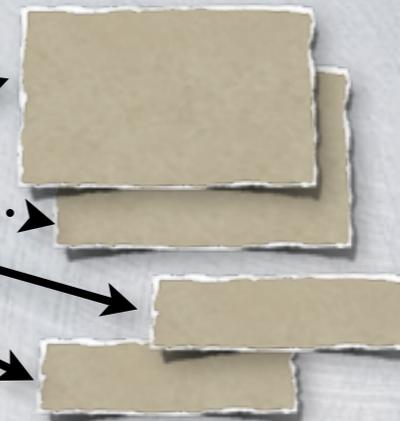
GAE

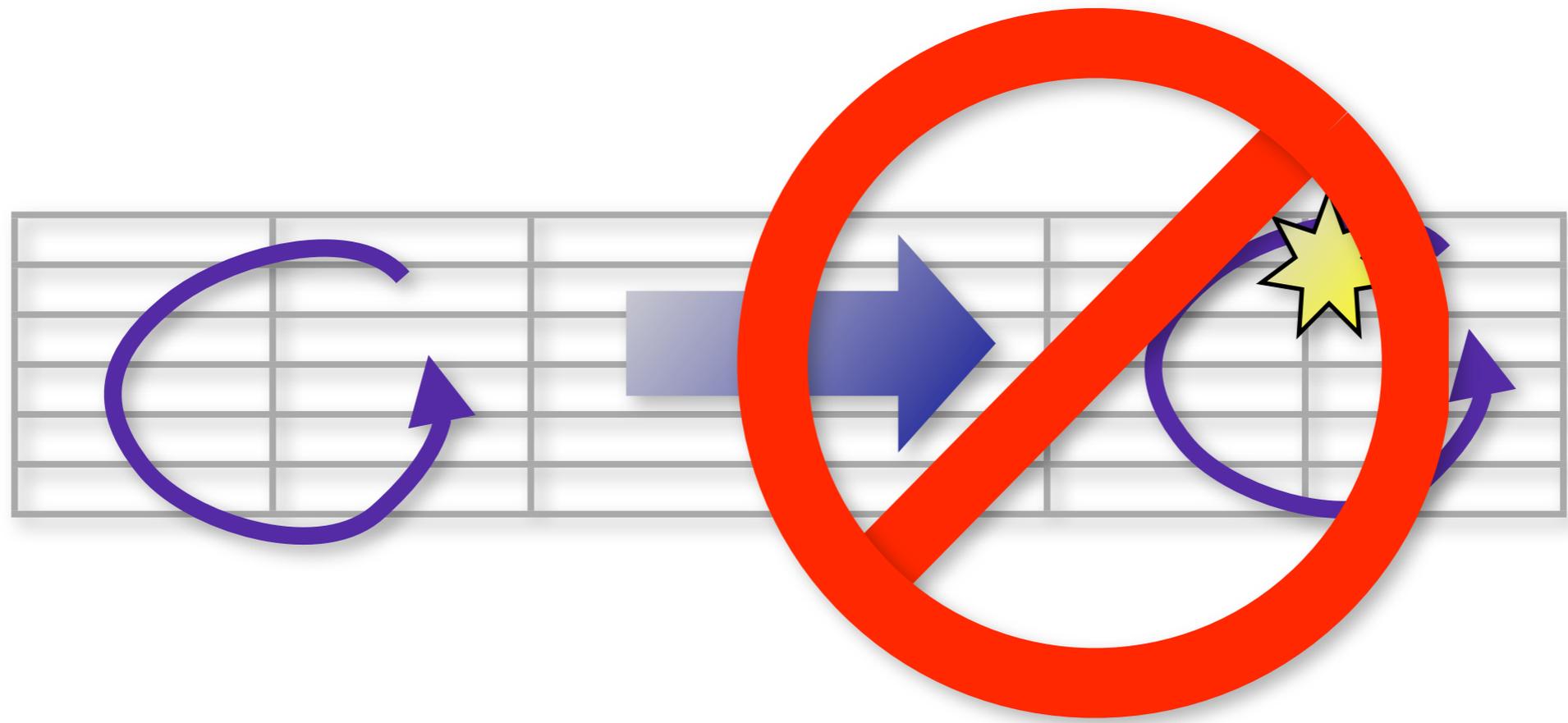


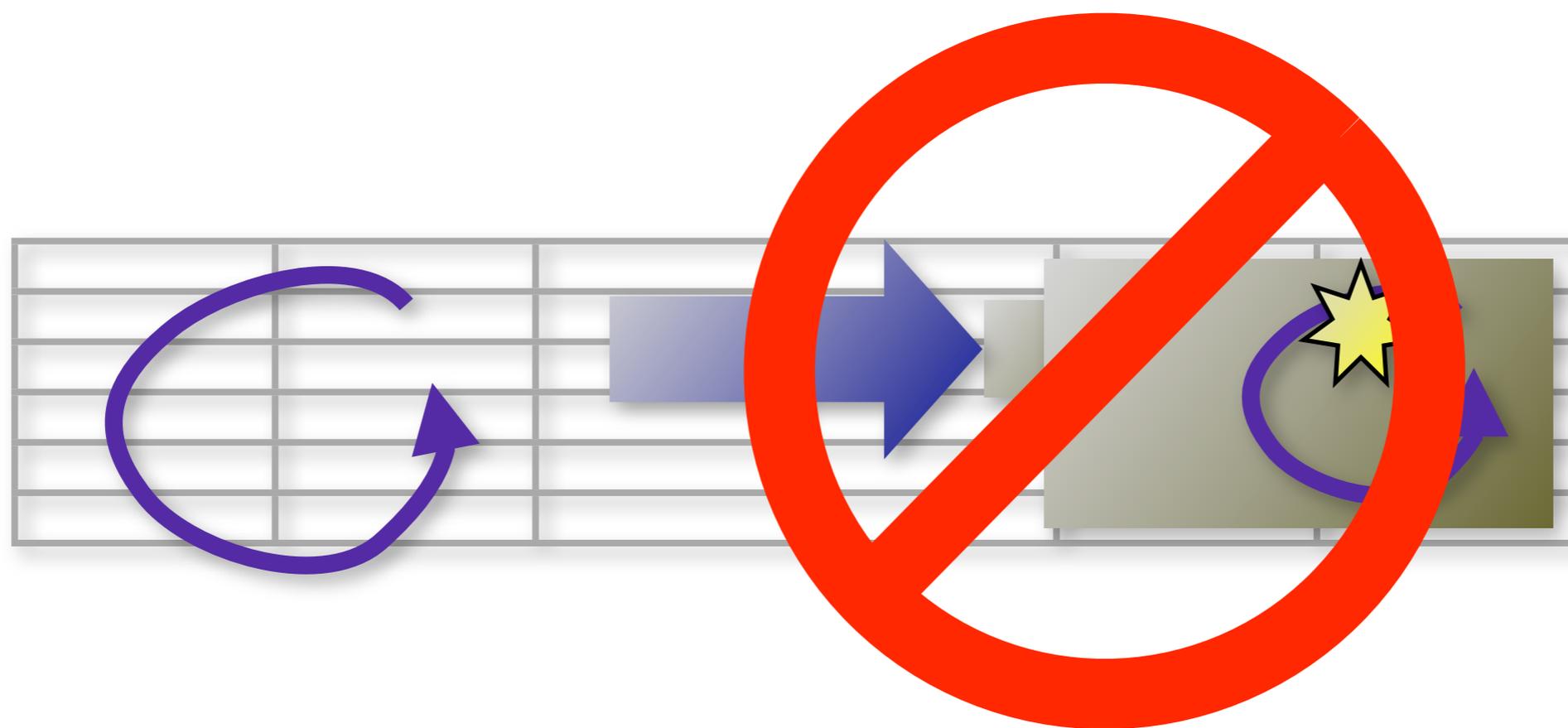
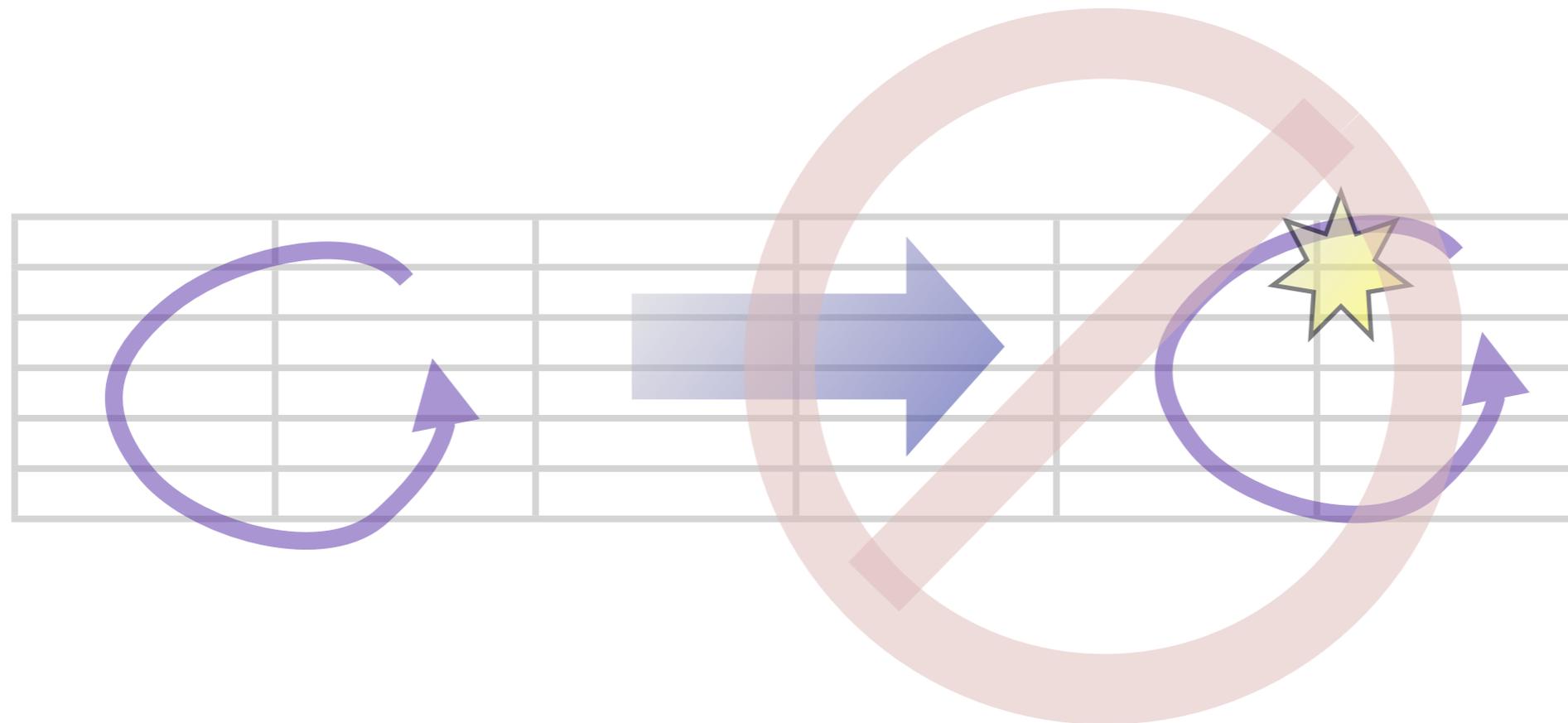
"com.cnn"	

Big Table

"contents:"	
"anchor:cnn.com"	
"anchor:my.look.ca"	









Testing



Persistence



Concurrency

Experiments

Enterprise Considerations

A blue starburst shape with a gradient from dark blue in the center to light blue at the edges. The word "Framework" is written in white, bold, sans-serif font across the center.

Framework

A blue starburst shape with a gradient from dark blue in the center to light blue at the edges. The word "Concerns" is written in white, bold, sans-serif font across the center.

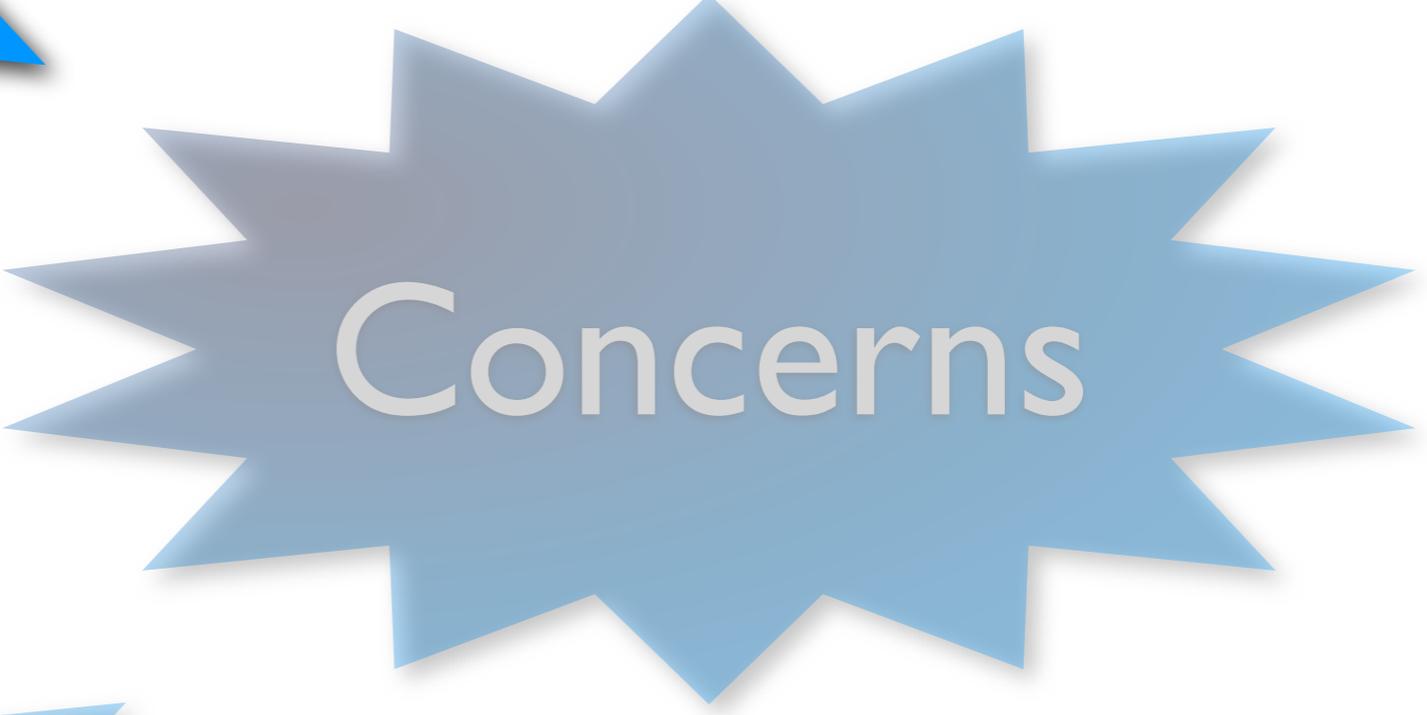
Concerns

A blue starburst shape with a gradient from dark blue in the center to light blue at the edges. The word "Adoption" is written in white, bold, sans-serif font across the center.

Adoption



Framework



Concerns



Adoption

Infrastructure



Platform



Application



General

Specific

Elasticity



Low Barrier to Entry



Pay as You Go



Economies of Scale





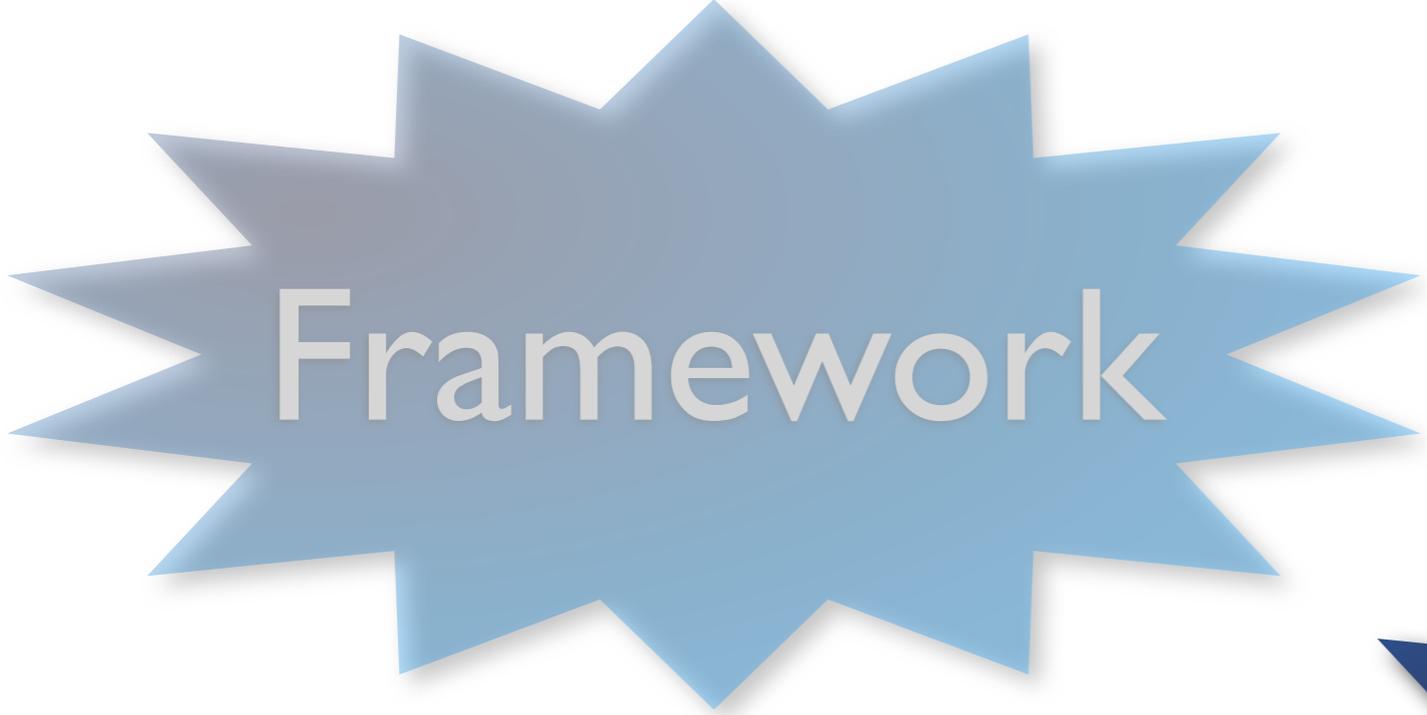
Framework



Concerns



Adoption



Framework



Concerns



Adoption

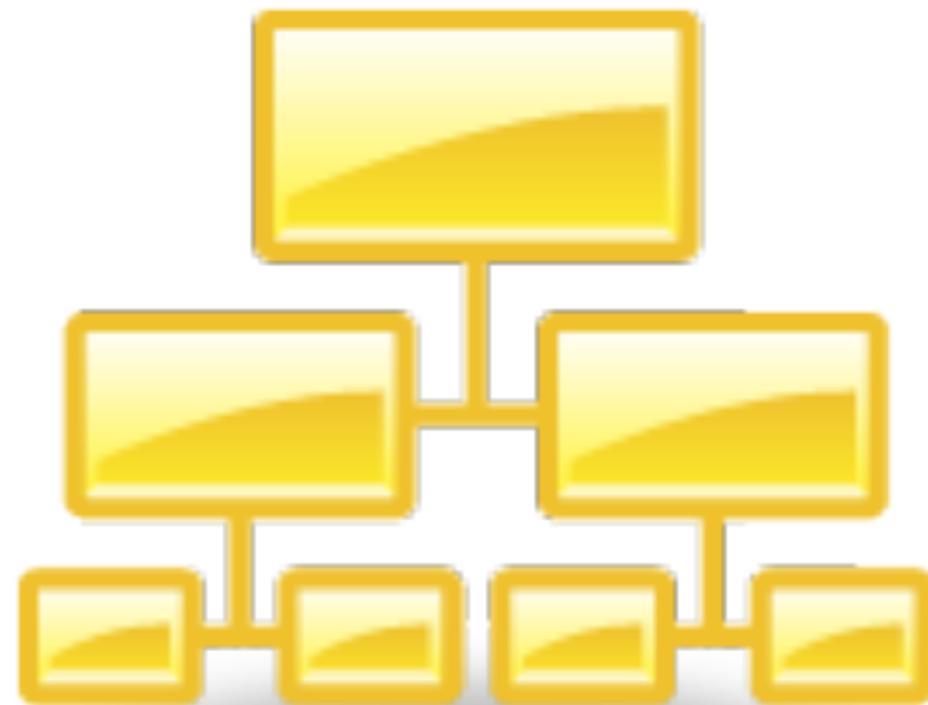
Security, Privacy, and IP



Is It Really Cheaper?



Need New IT Org

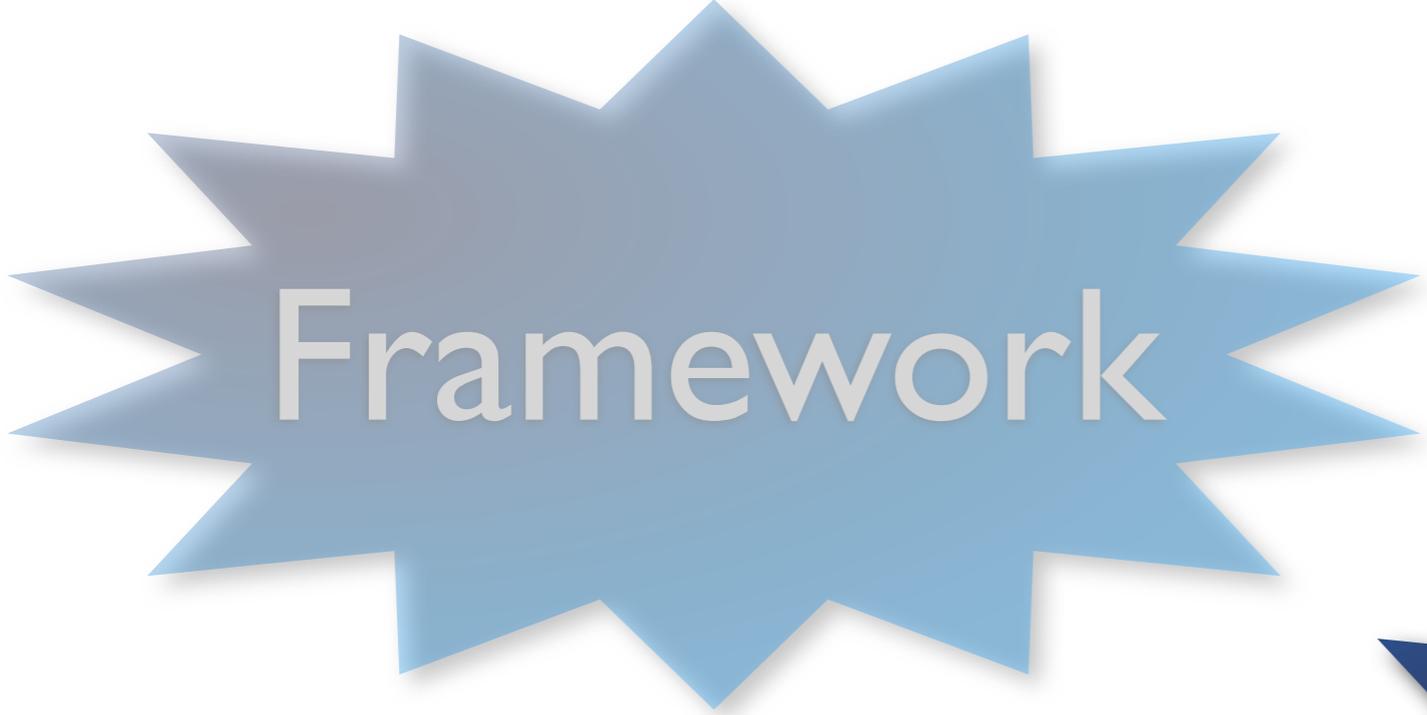


Need New Standards



Vendor Lock In





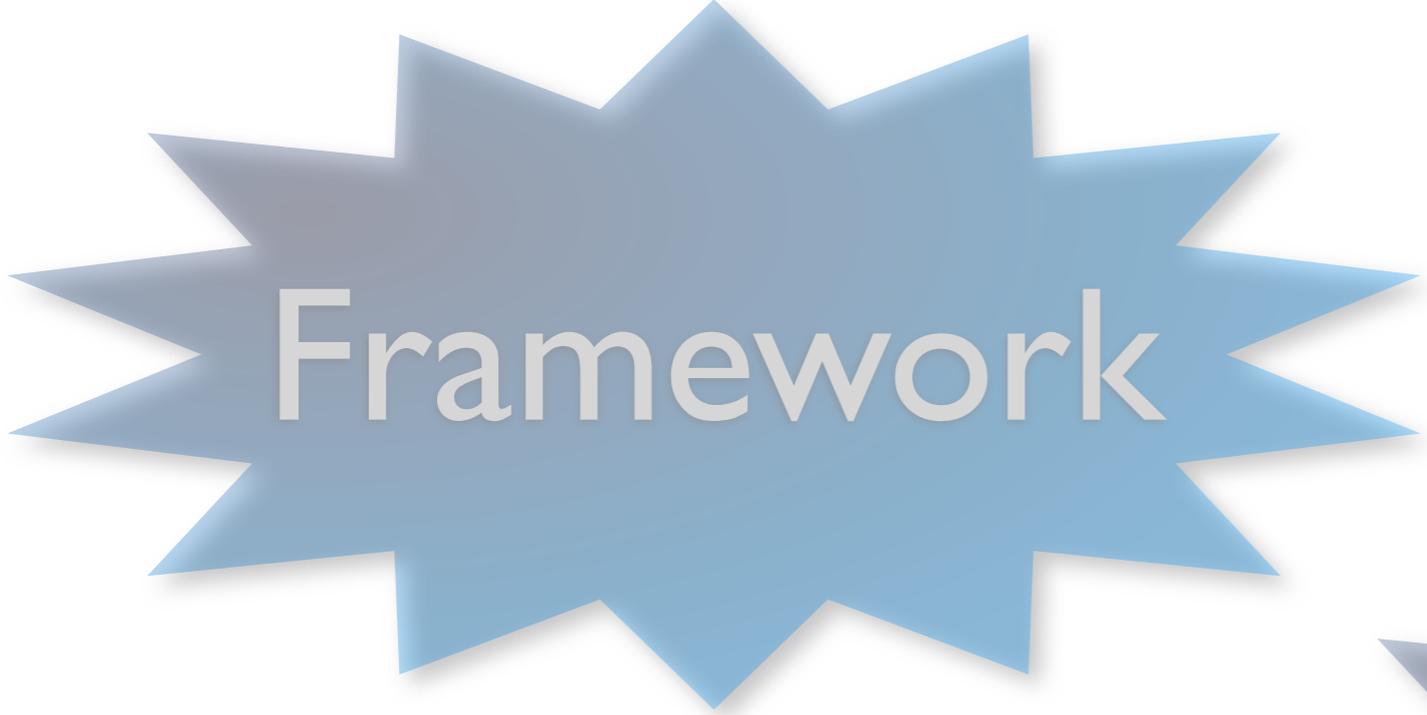
Framework



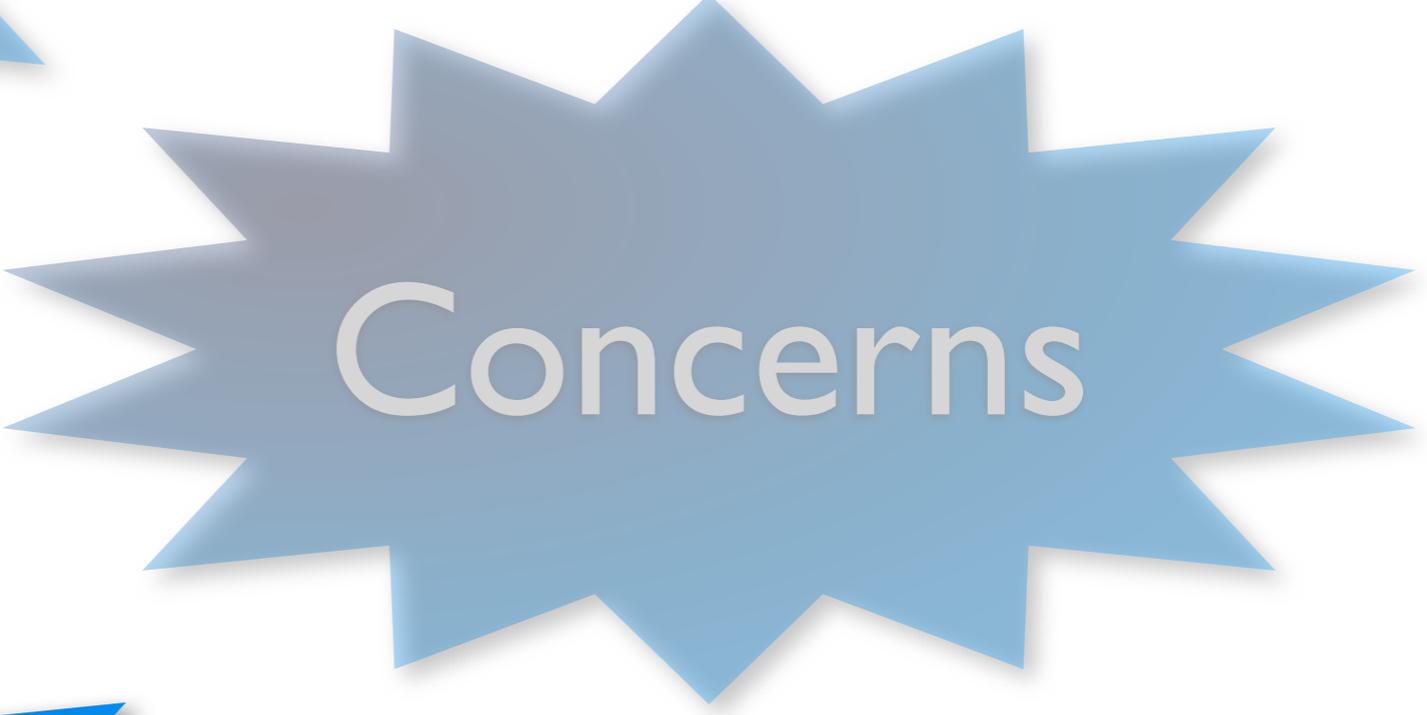
Concerns



Adoption

A light blue, multi-pointed starburst shape with a subtle gradient and a soft drop shadow.

Framework

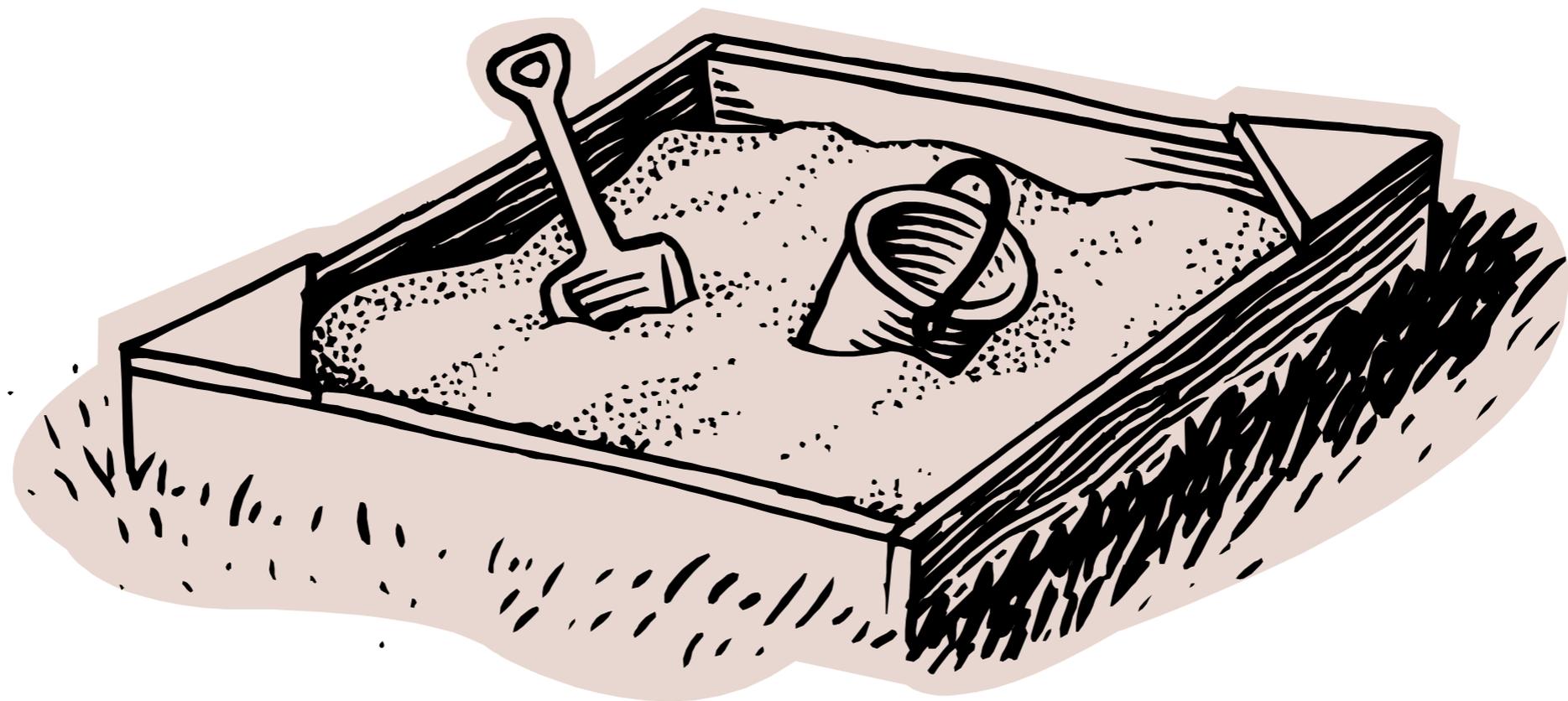
A light blue, multi-pointed starburst shape with a subtle gradient and a soft drop shadow.

Concerns

A dark blue, multi-pointed starburst shape with a subtle gradient and a soft drop shadow.

Adoption

Experiments



Big Ticket Single Shot



Focus on What Matters



Product
Marketing
Customers

Not
Data Center
Mopping
Plumbing

Agile Process

Apr 7



Apr 21



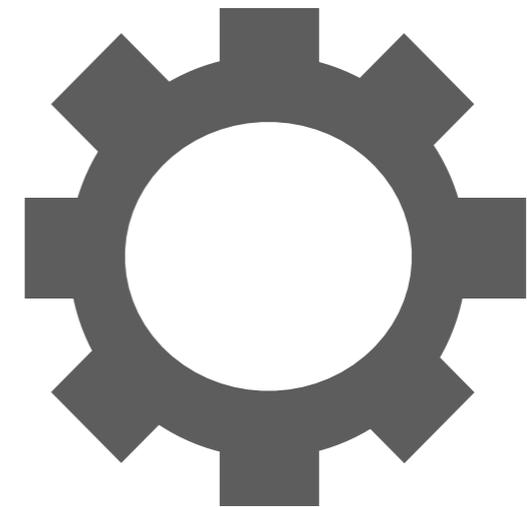
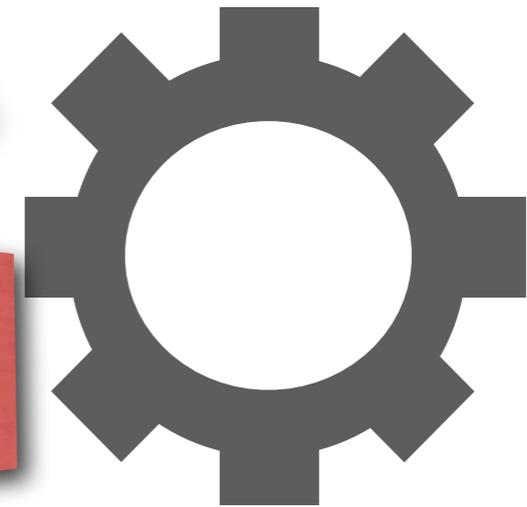
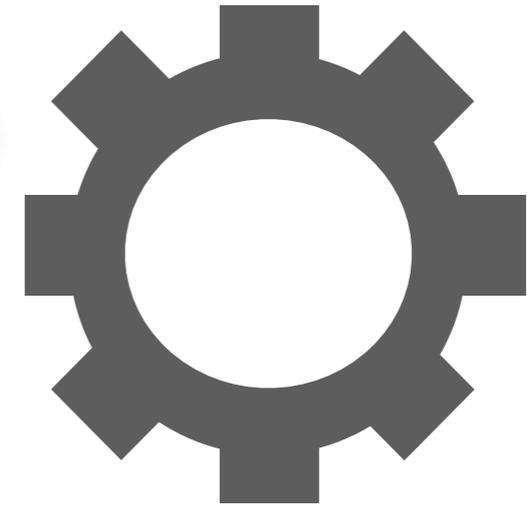
deployment



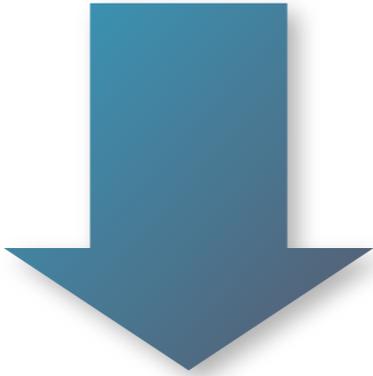
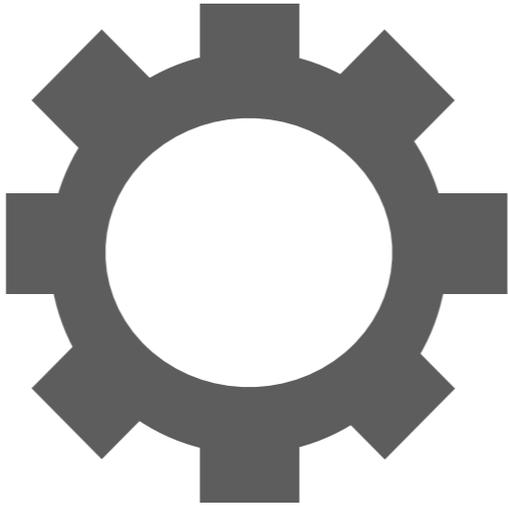
May 2



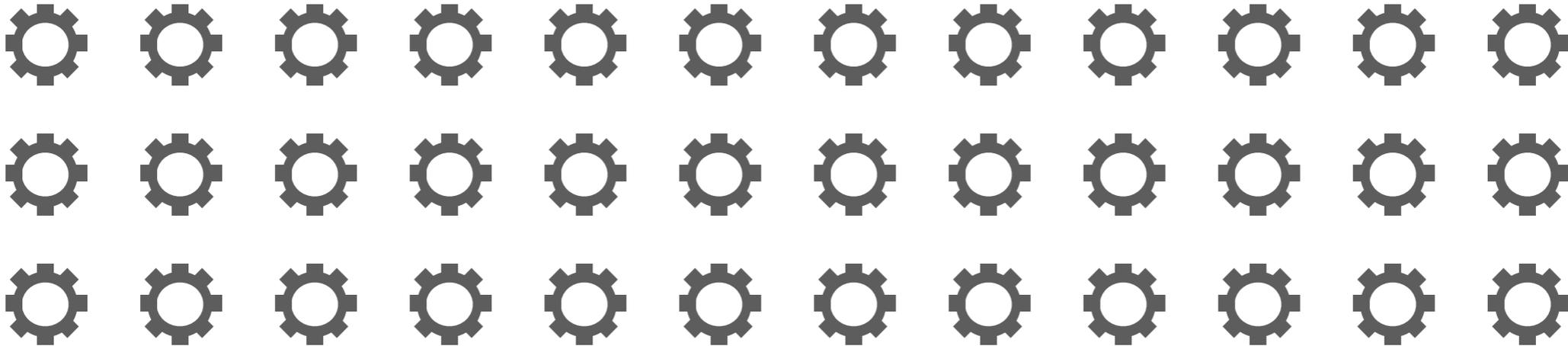
Production Environment



Release
Candidate



Test
Environment



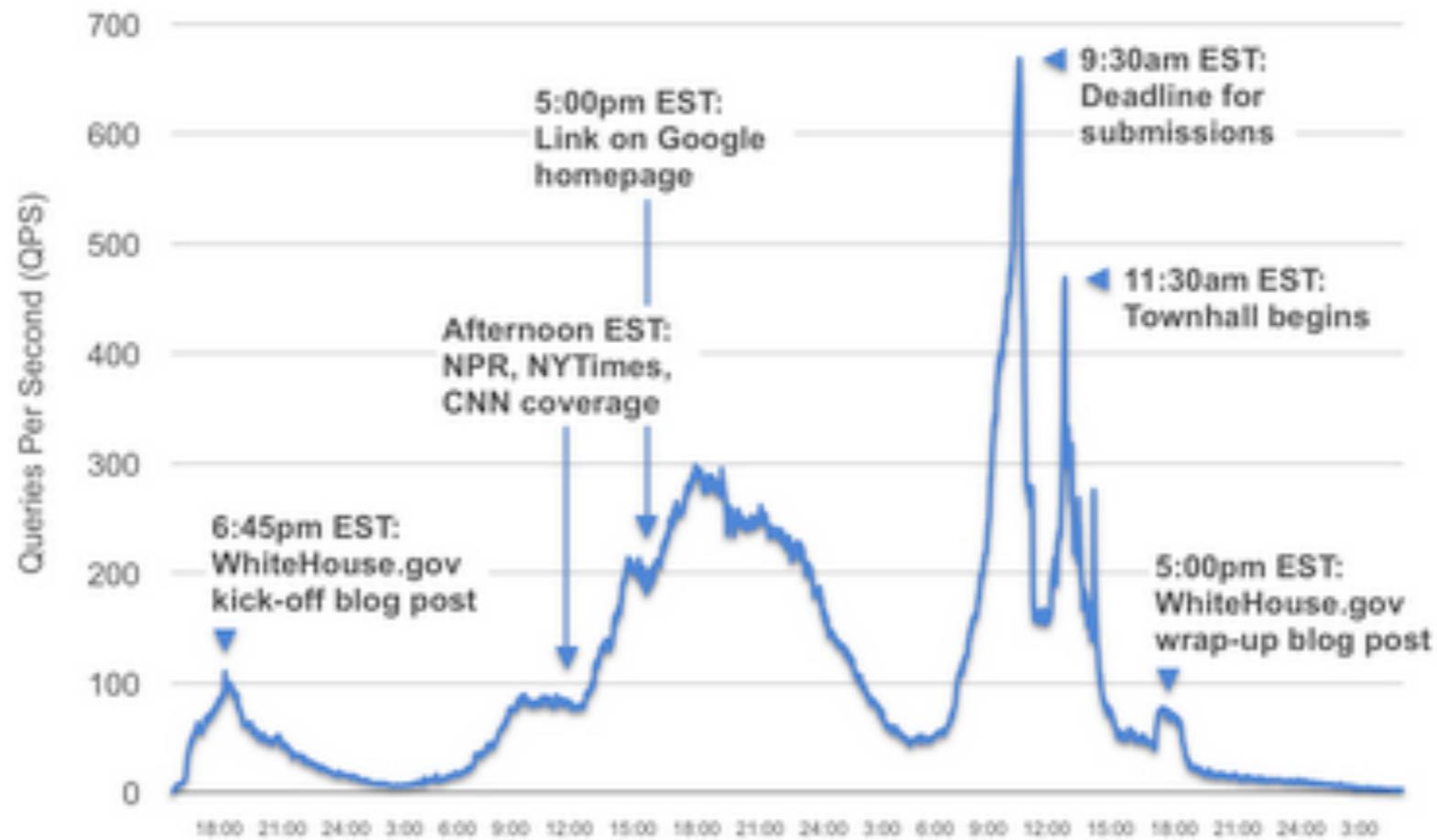
Work Around IT



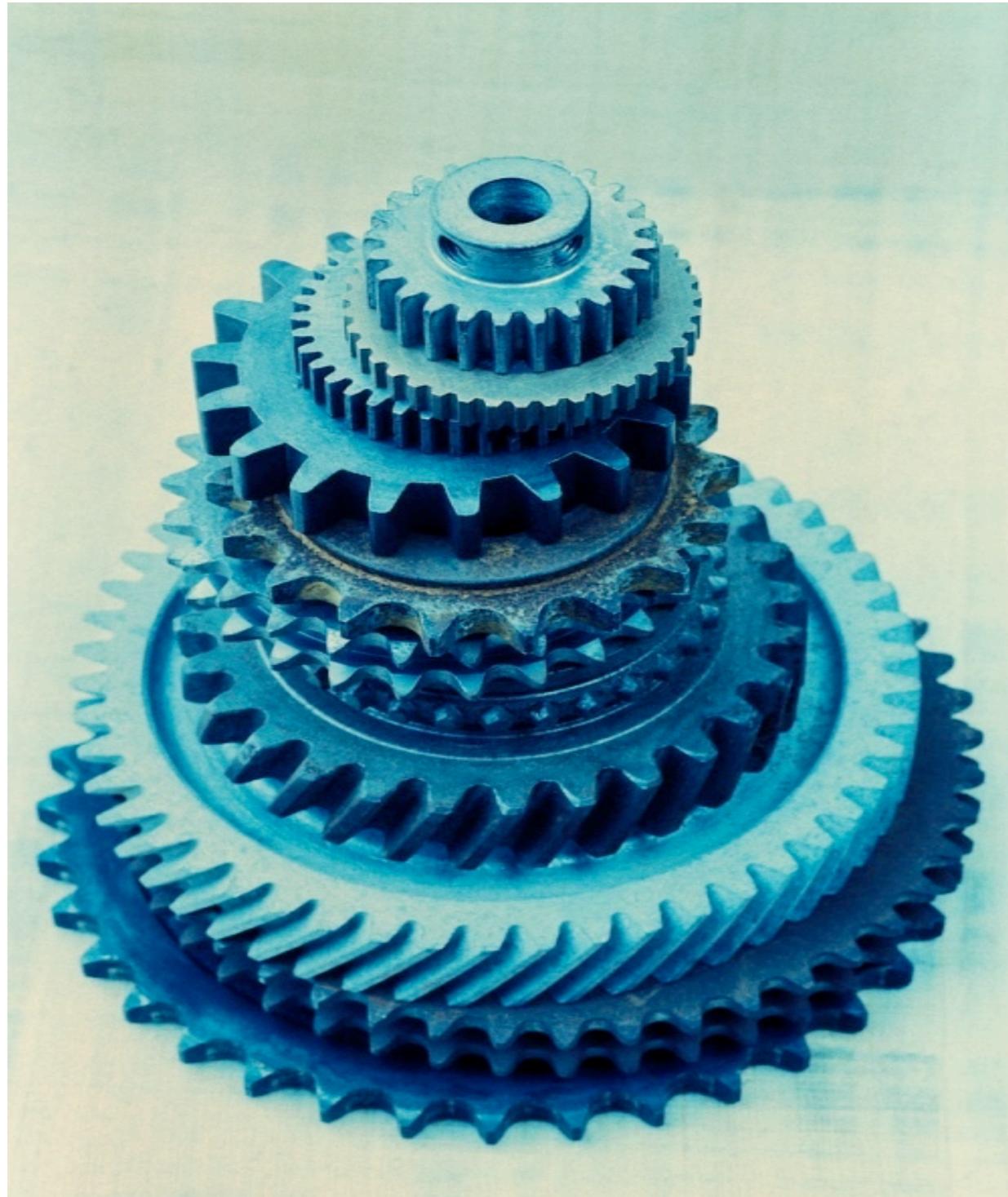
Quick and Not So Dirty

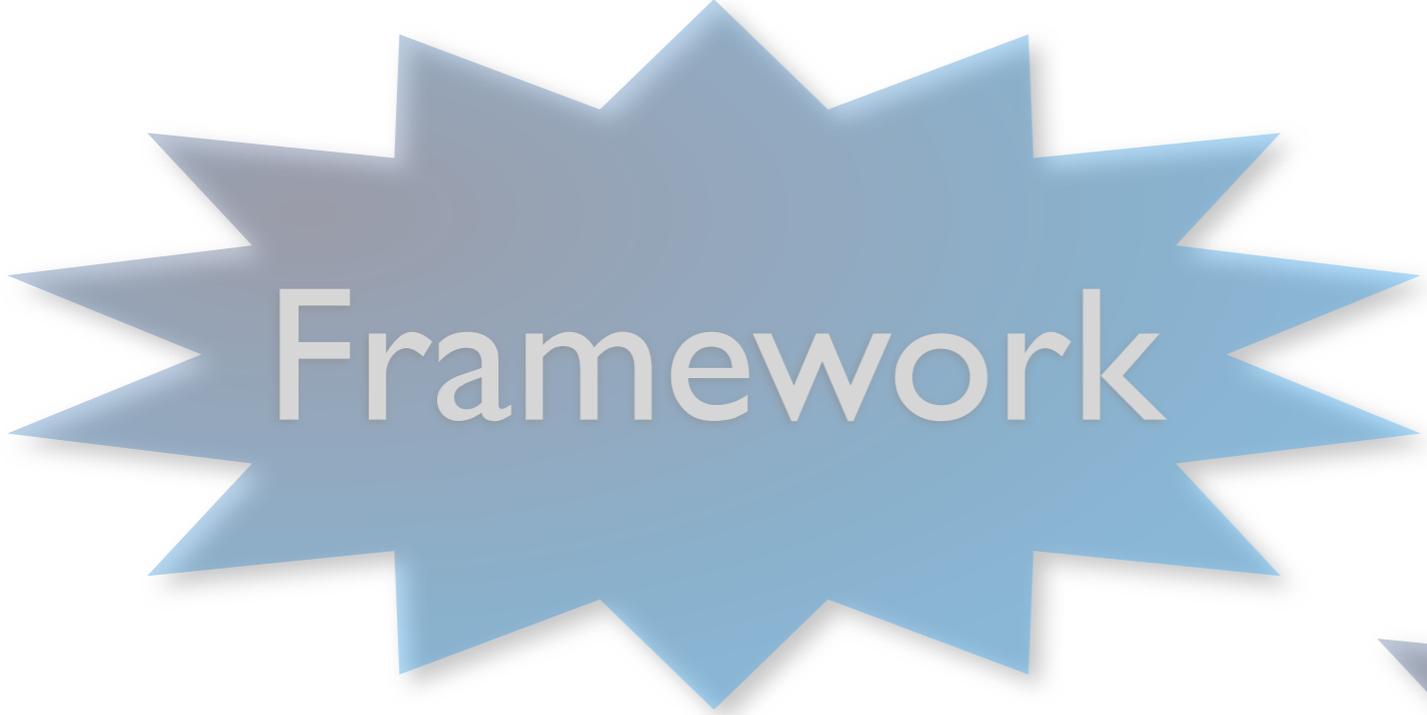


How Much?

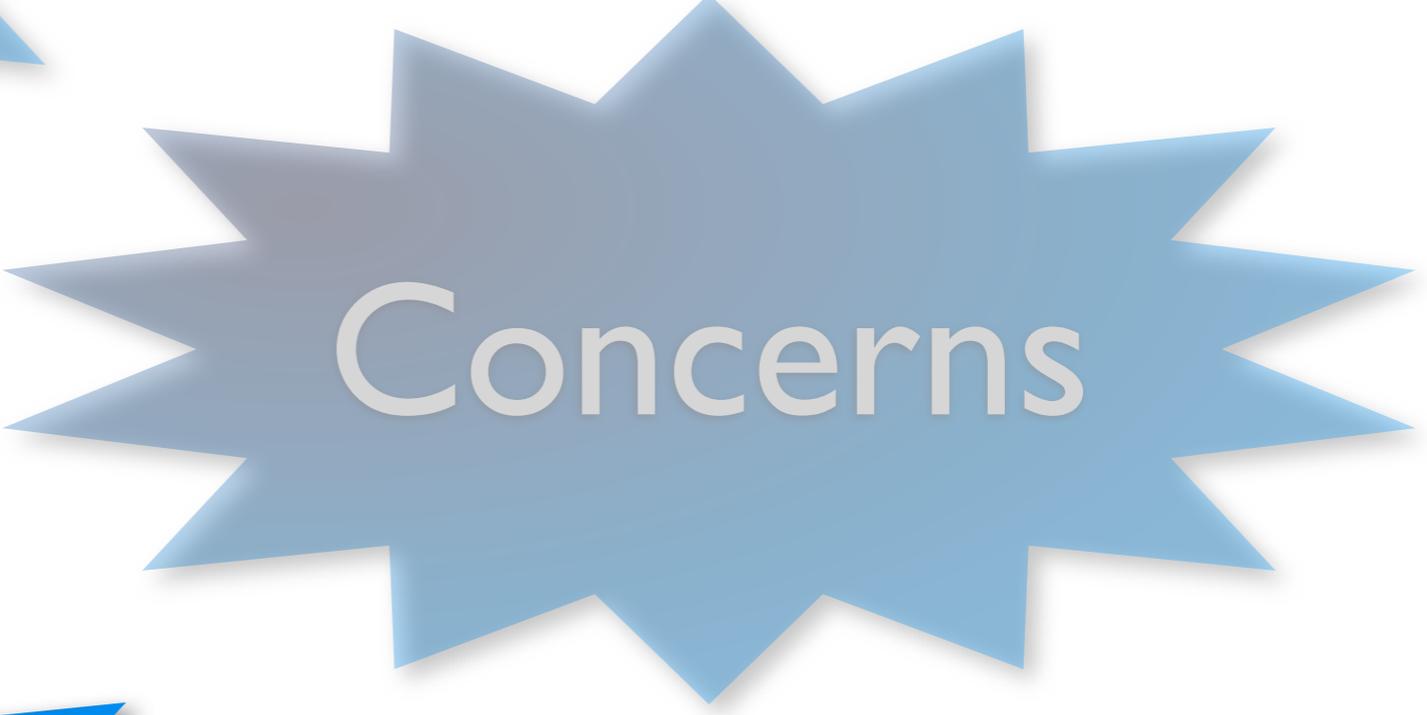


Variable Capacity





Framework



Concerns



Adoption

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rjparson@thoughtworks.com