

Building our own PaaS at Springest Deis

Wouter de Vos

CTO at Springest

What is Springest?

“The Amazon of
Learning”*



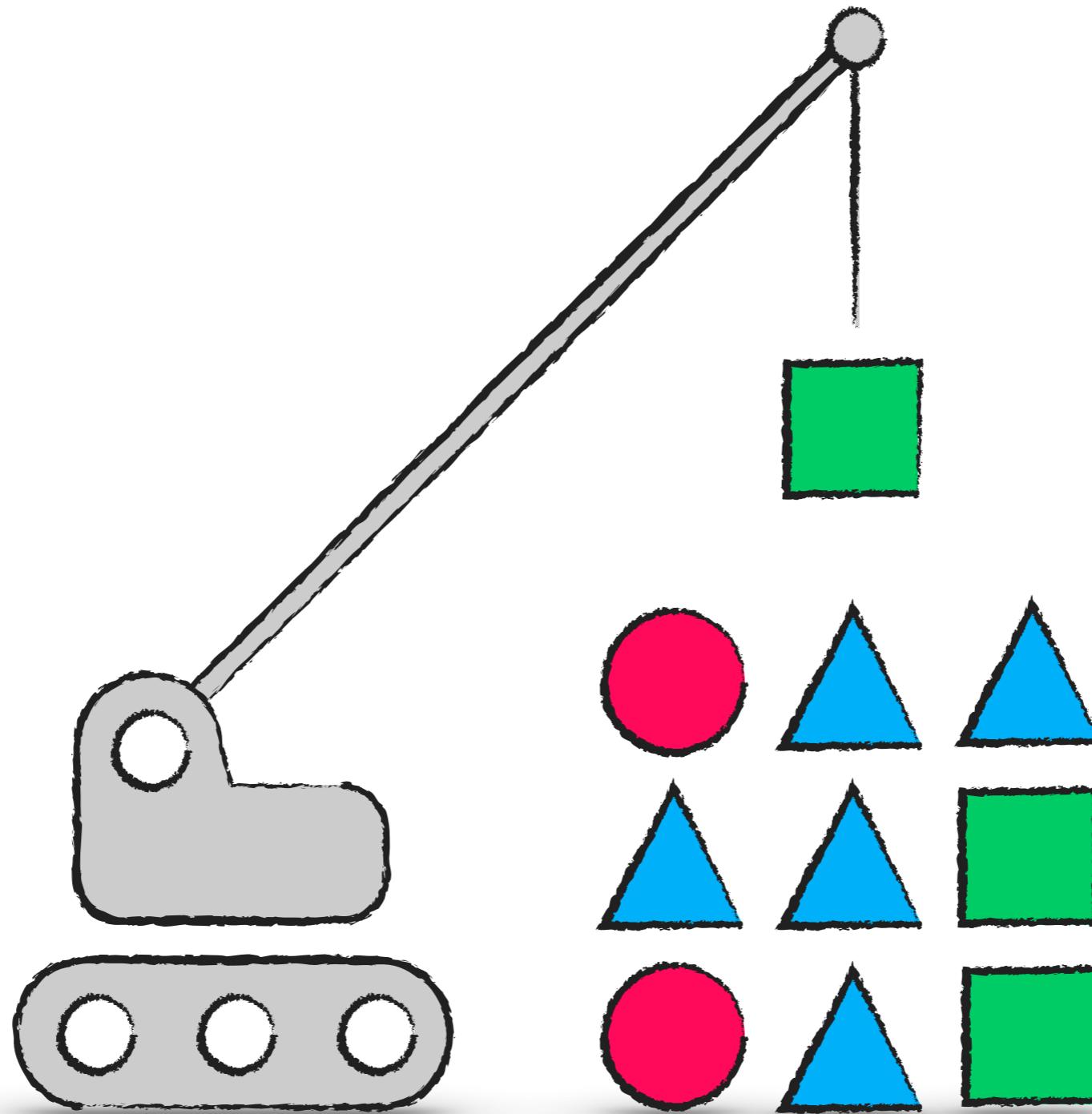
recommend

search

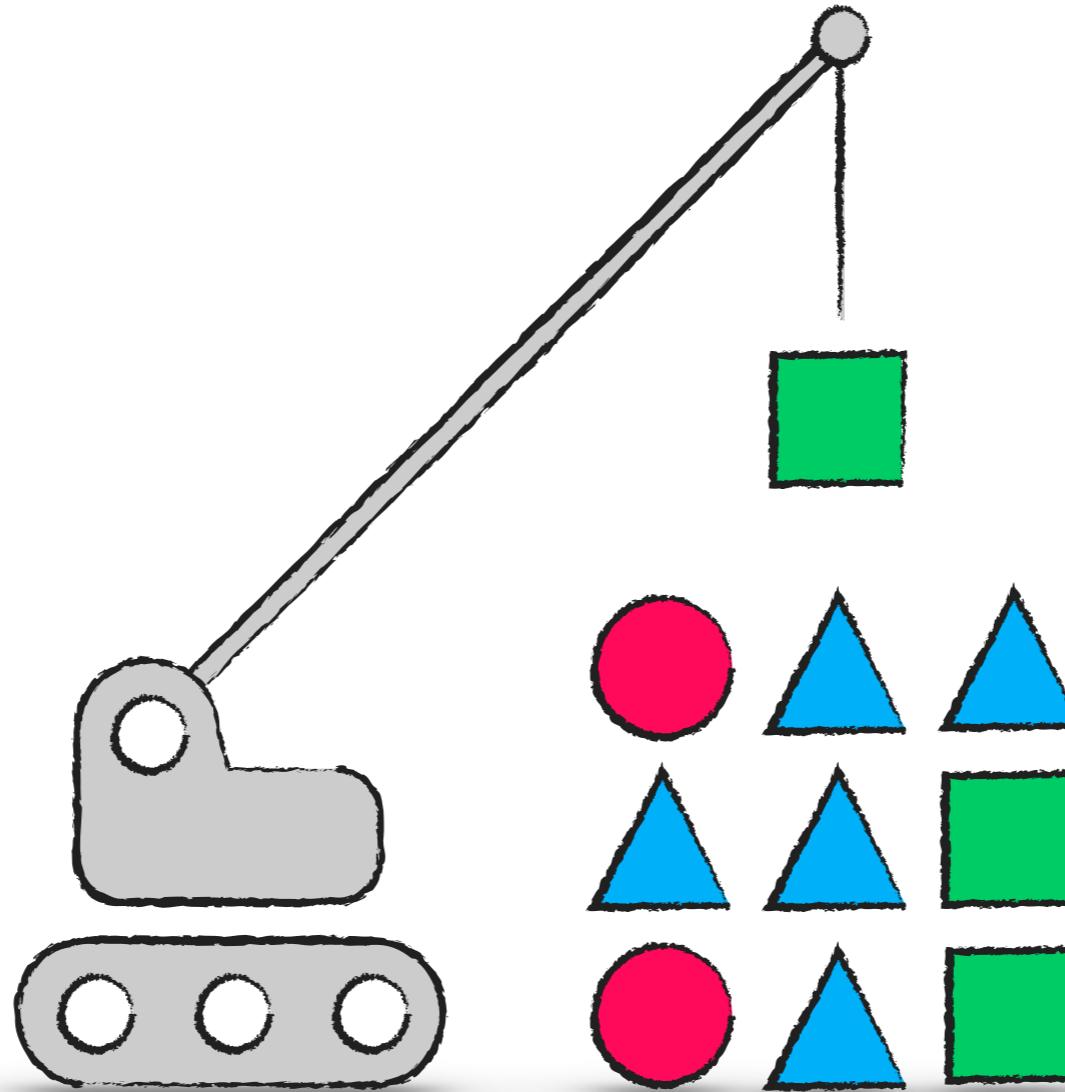
buy/
book

review

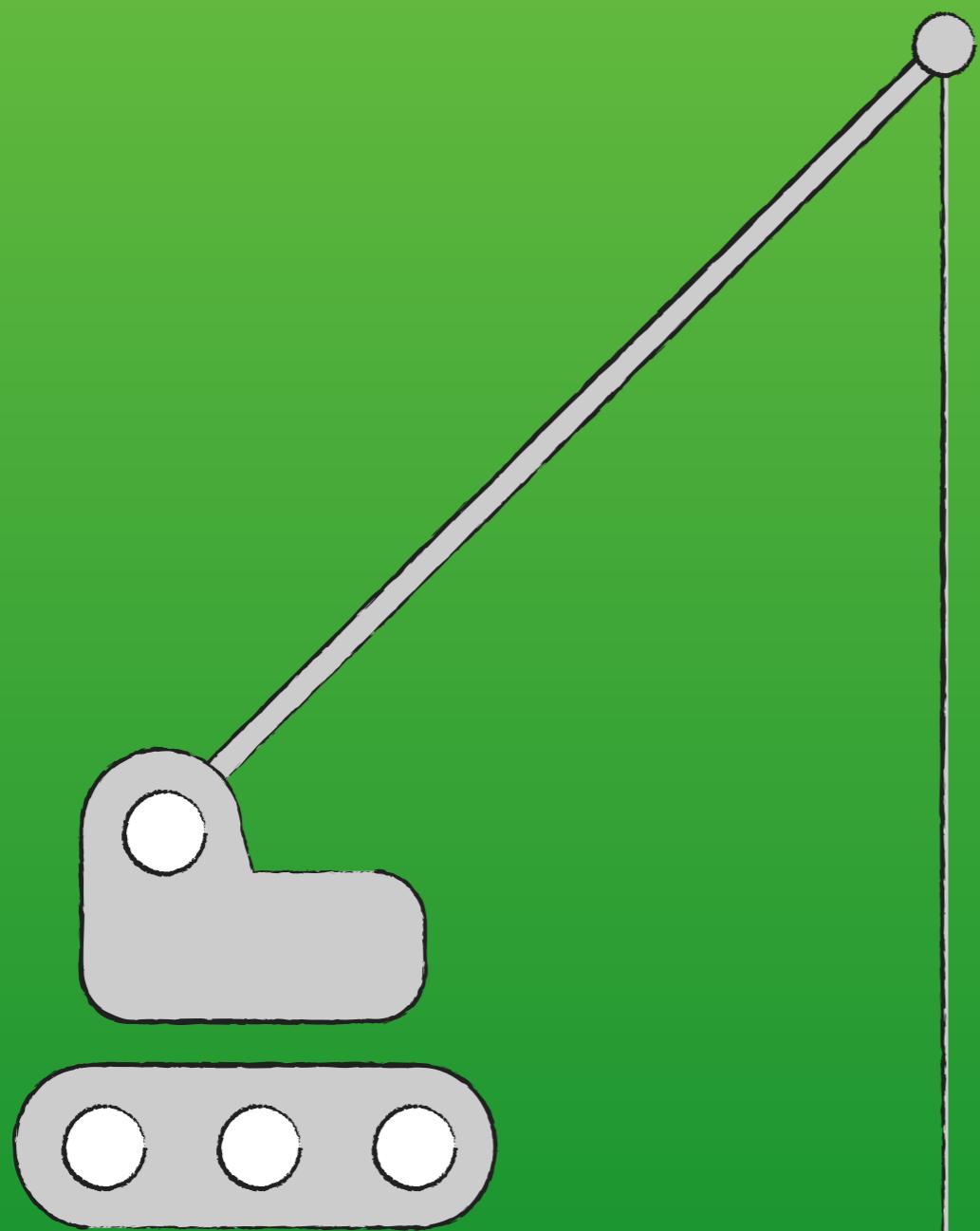
Yo, why a PaaS?



Scaling



```
$ deis scale web=4
```



How does
that work?



Docker

pack, ship and run
any application as a
lightweight container

WE HEARD YOU LIKE DOCKER

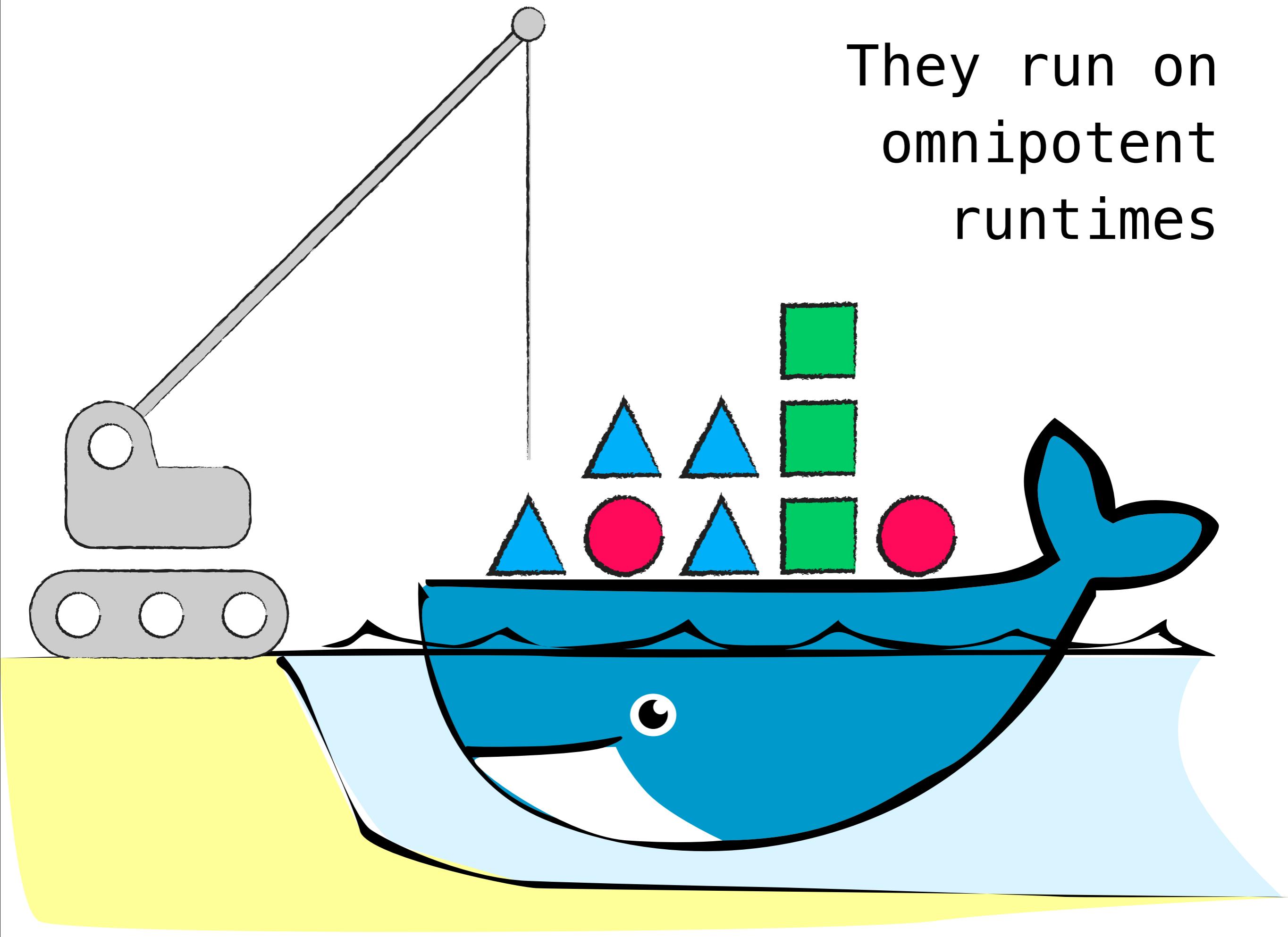
SO WE PUT A DOCKER IN YOUR DOCKER

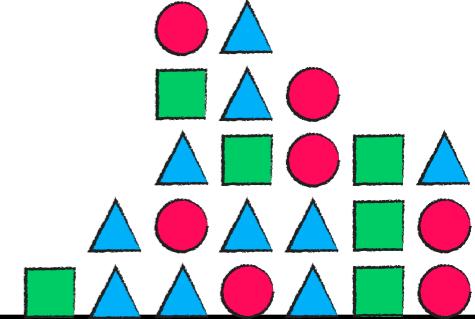
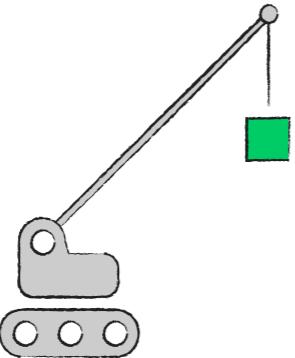
:')



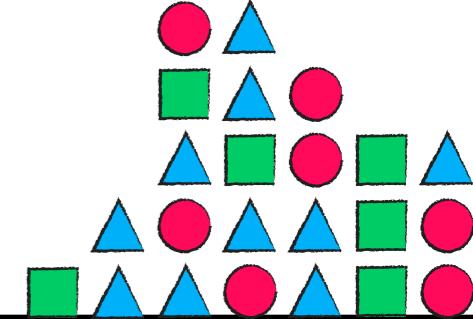
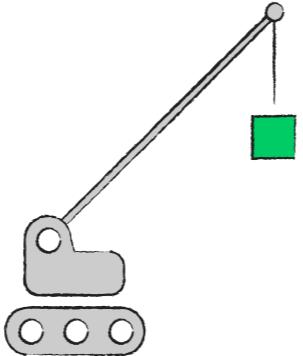
Everything
is in
containers

They run on
omnipotent
runtimes





SPRINGEST
MEMCACHED MONGODB
SOLR REDIS
POSTGRESQL



SPRINGEST
MEMCACHED MONGODB
SOLR REDIS
POSTGRESQL



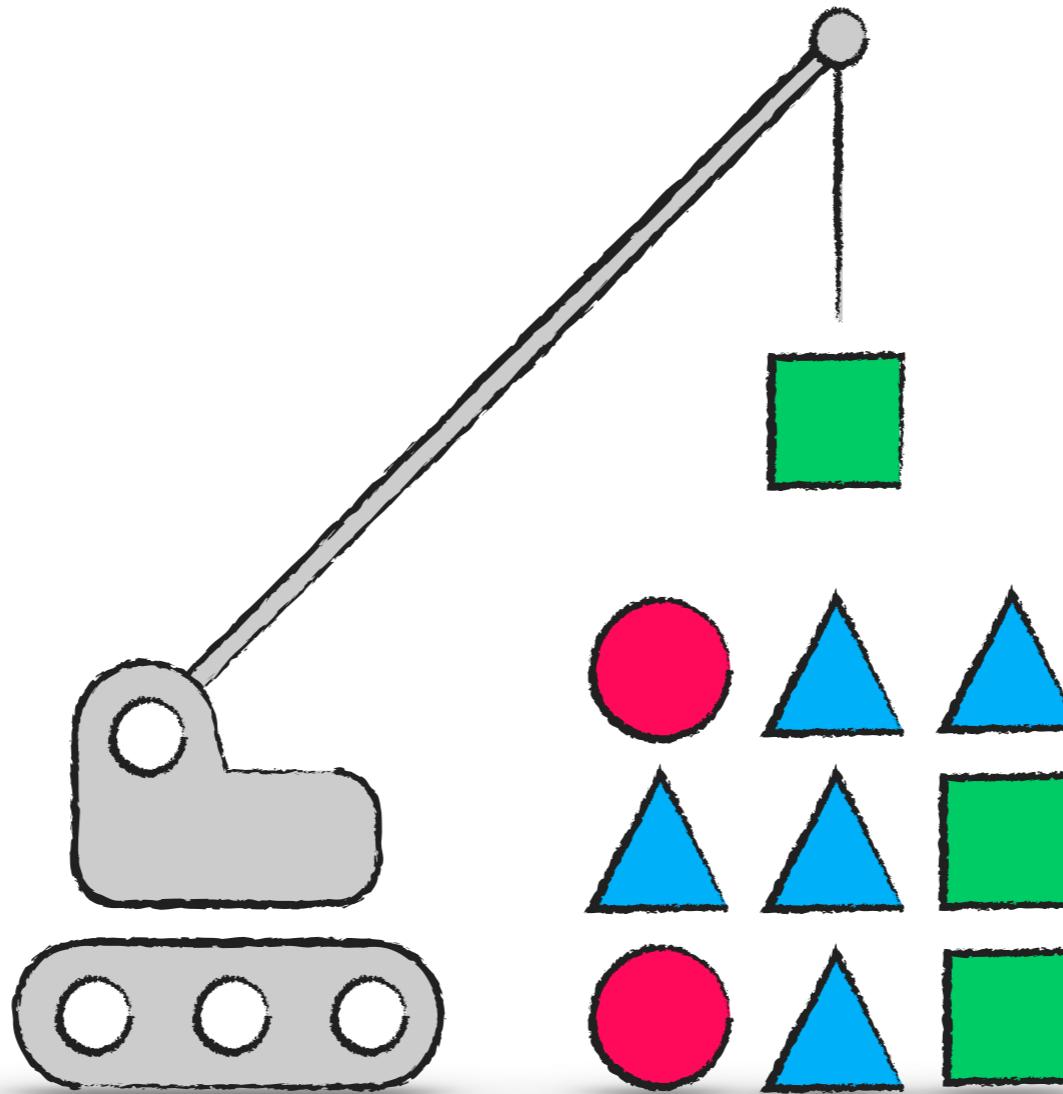
Ruby
Node.js
Clojure
Python
Java
Rails
Scalr
Play
Heroku
Buildpacks

\$ git push deis master

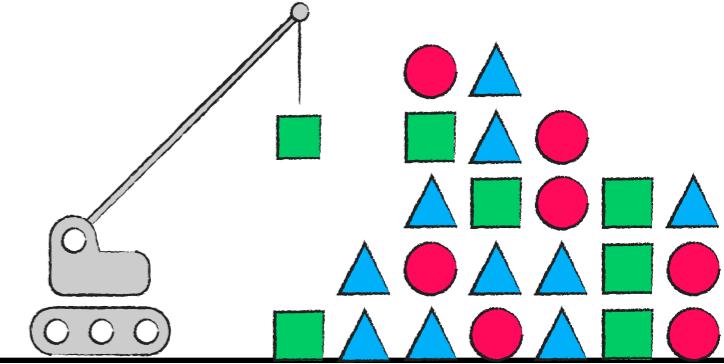
```
wouter@reinbook:~/Springest/one|adyen-integration$  
→ git push deis adyen-integration:master --force  
Counting objects: 636, done.  
Delta compression using up to 4 threads.  
Compressing objects: 100% (263/263), done.  
Writing objects: 100% (415/415), 52.36 KiB | 0 bytes/s, done.  
Total 415 (delta 325), reused 224 (delta 146)  
----> Ruby app detected  
----> Compiling Ruby/Rails  
----> Using Ruby version: ruby-2.0.0  
----> Setting up custom environment variables (build.yml).  
----> Installing dependencies using 1.5.2  
      Running: bundle install --without development test --path vendor/bundle  
      Using rake (10.4.2)  
      Using RedCloth (4.2.9)
```

Our own Heroku :)

Builds app slug



launches a container

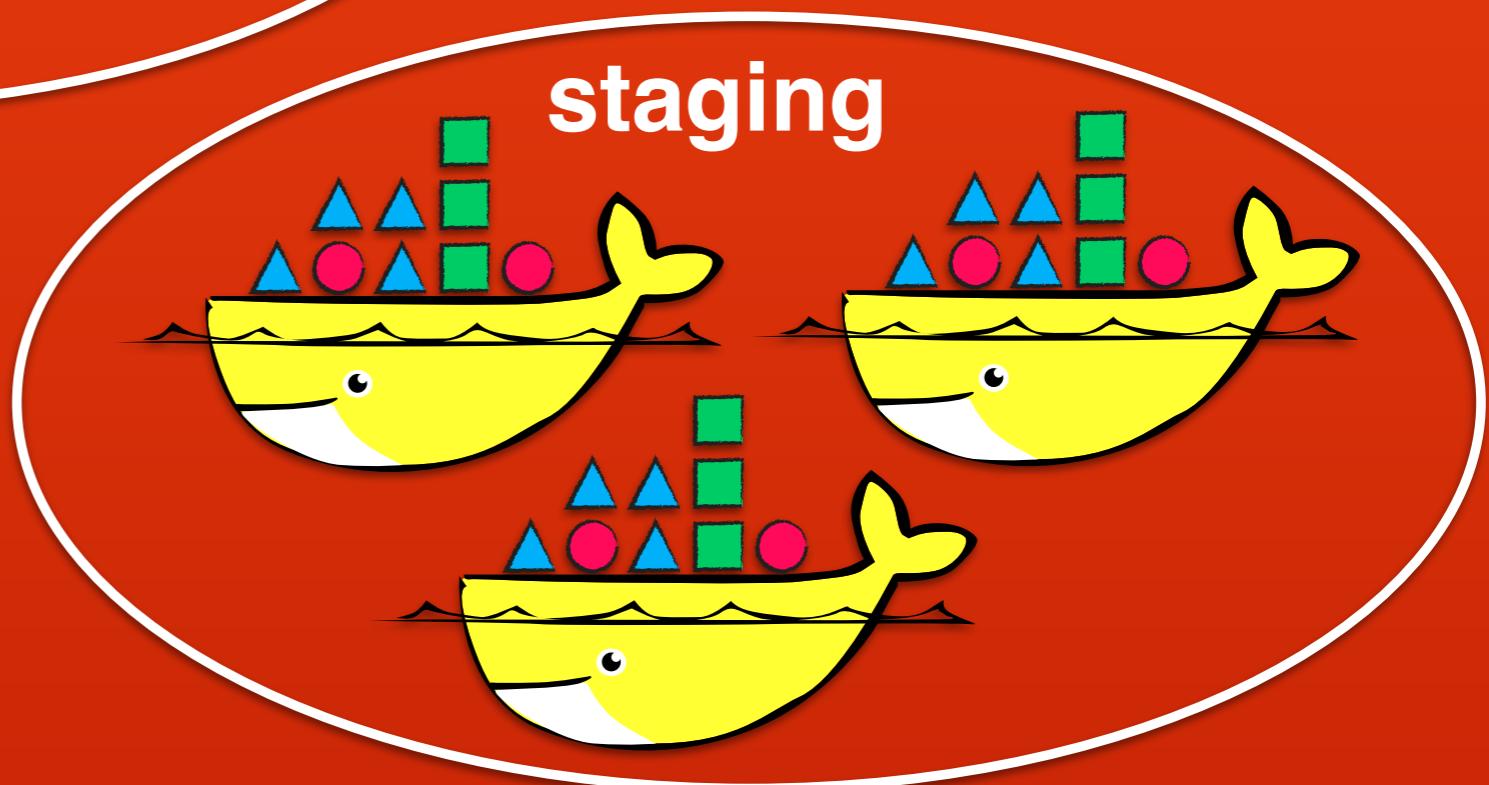
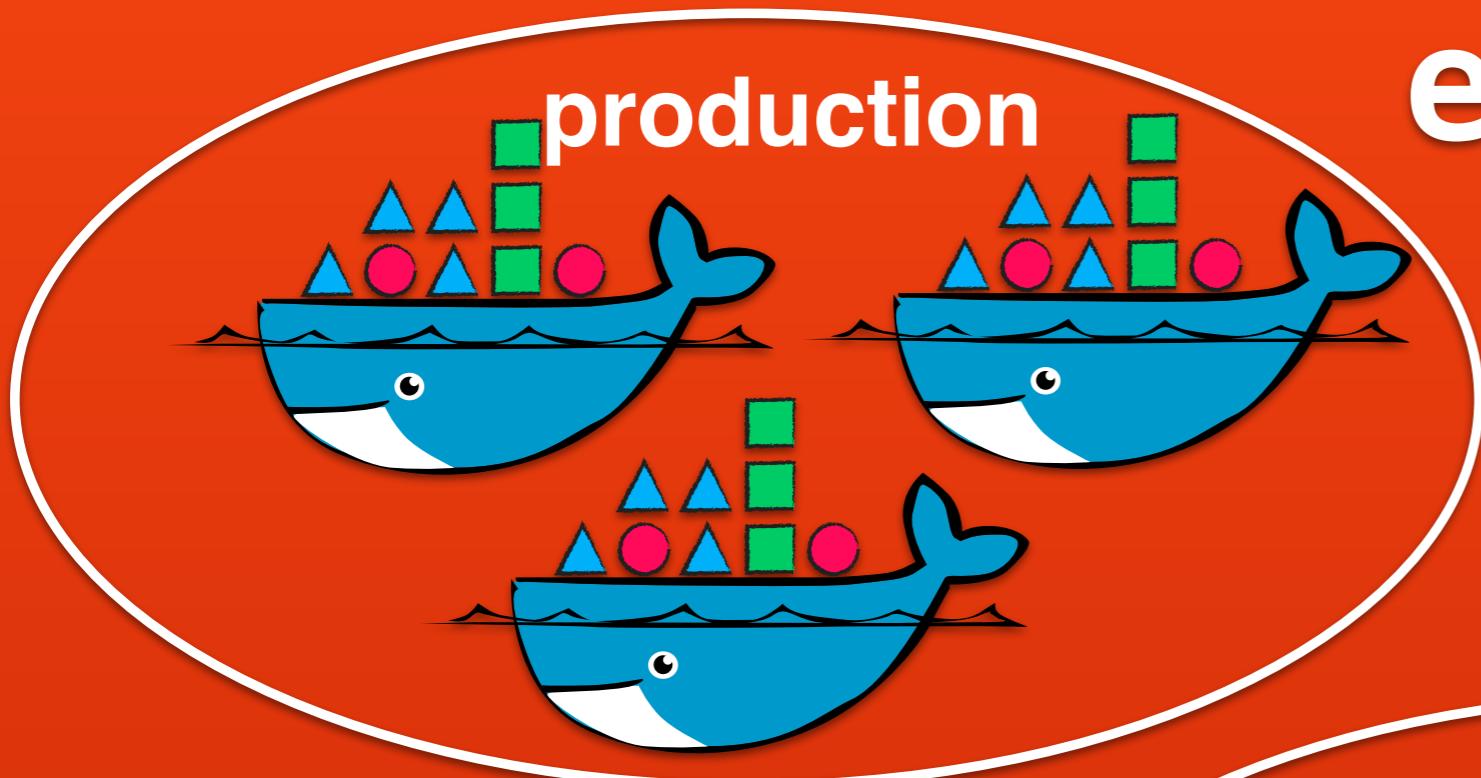


SPRINGEST
MEMCACHED MONGODB
SOLR REDIS
POSTGRESQL

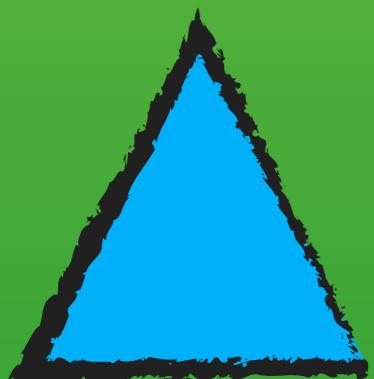
“One codebase tracked in revision control,
many deploys.”

– 12factor.net

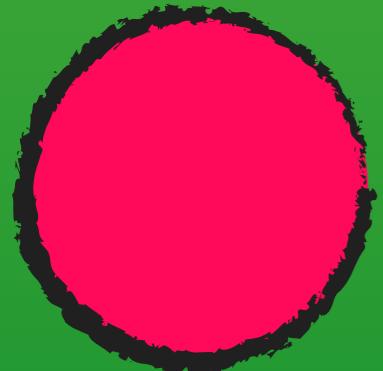
Formations are environments



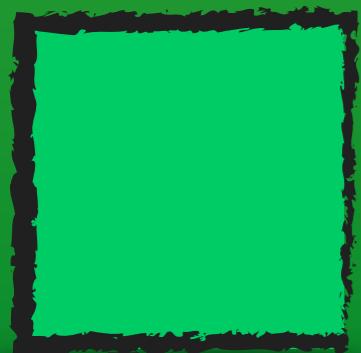
Foreman



\$ rake resque:work

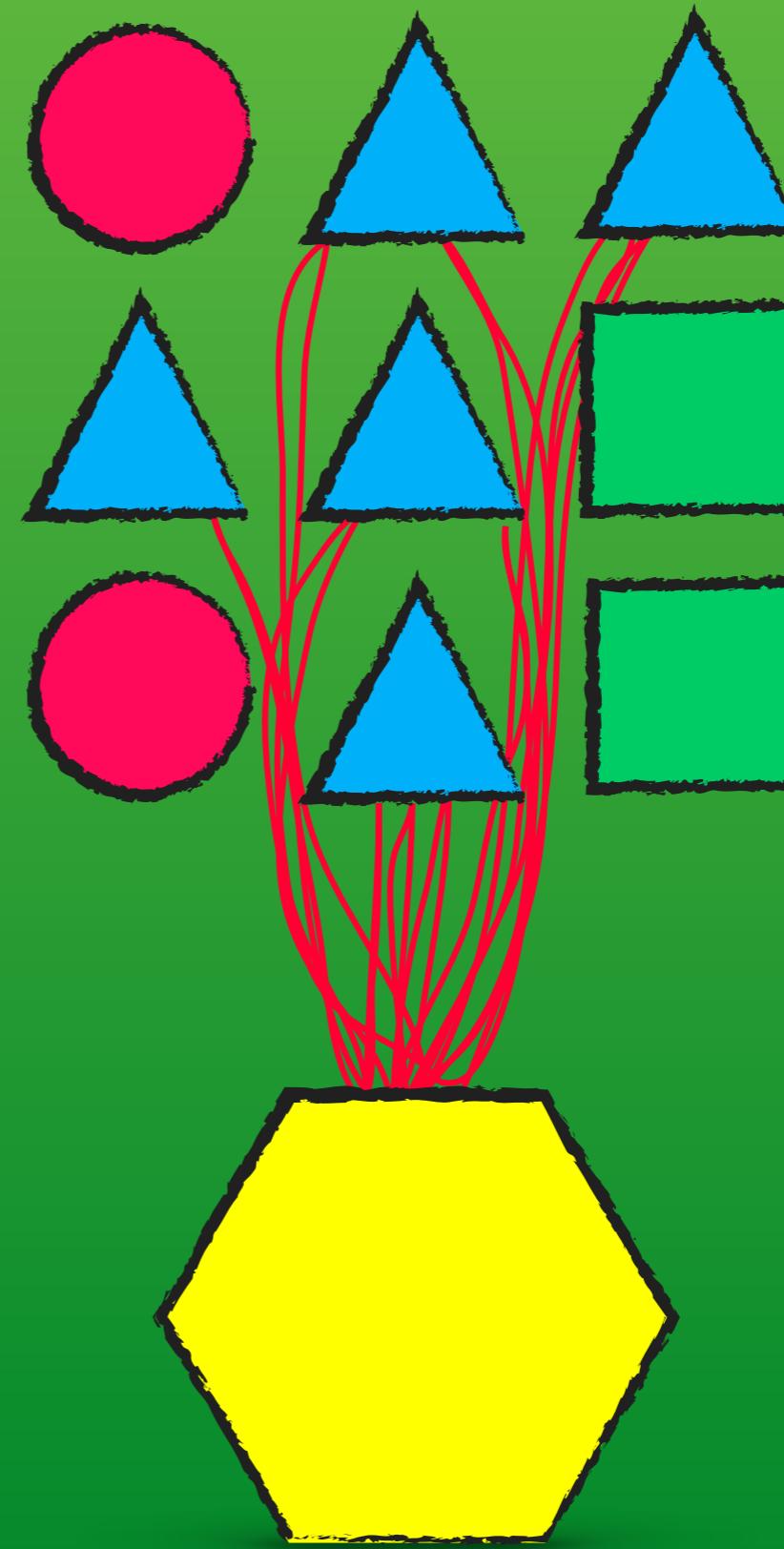


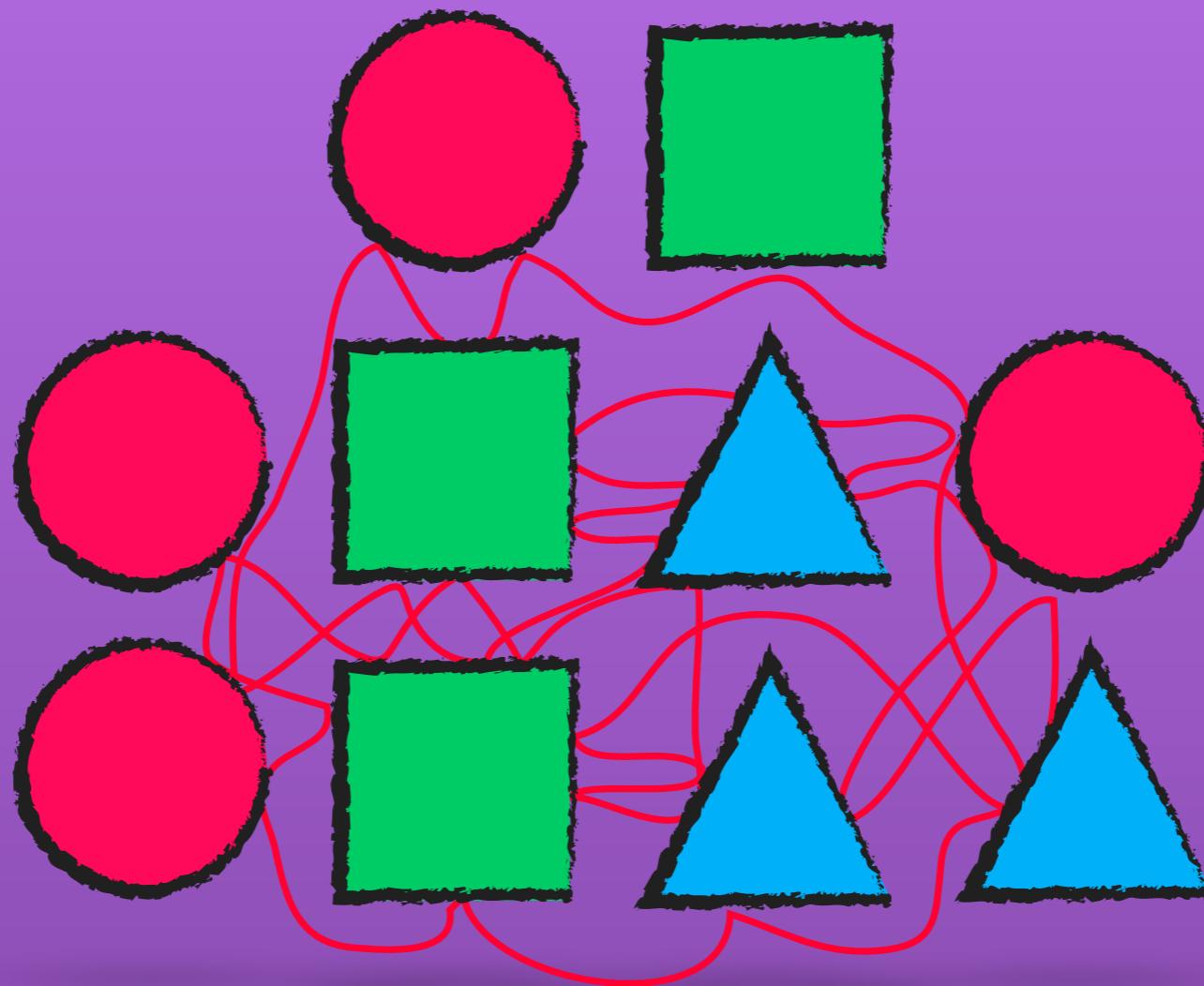
\$ unicorn -p \$PORT



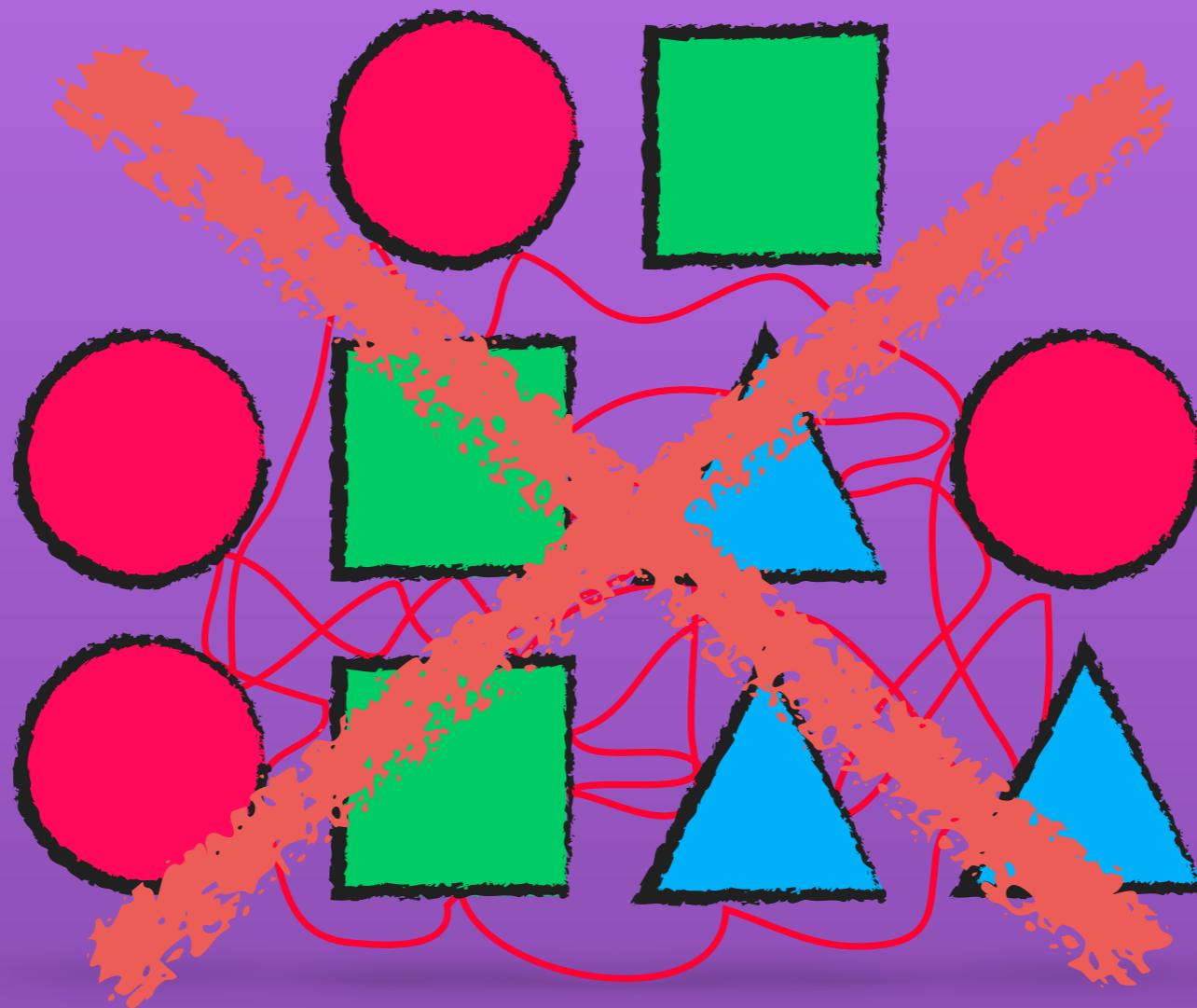
\$ script/solr start

nginx proxy for web services

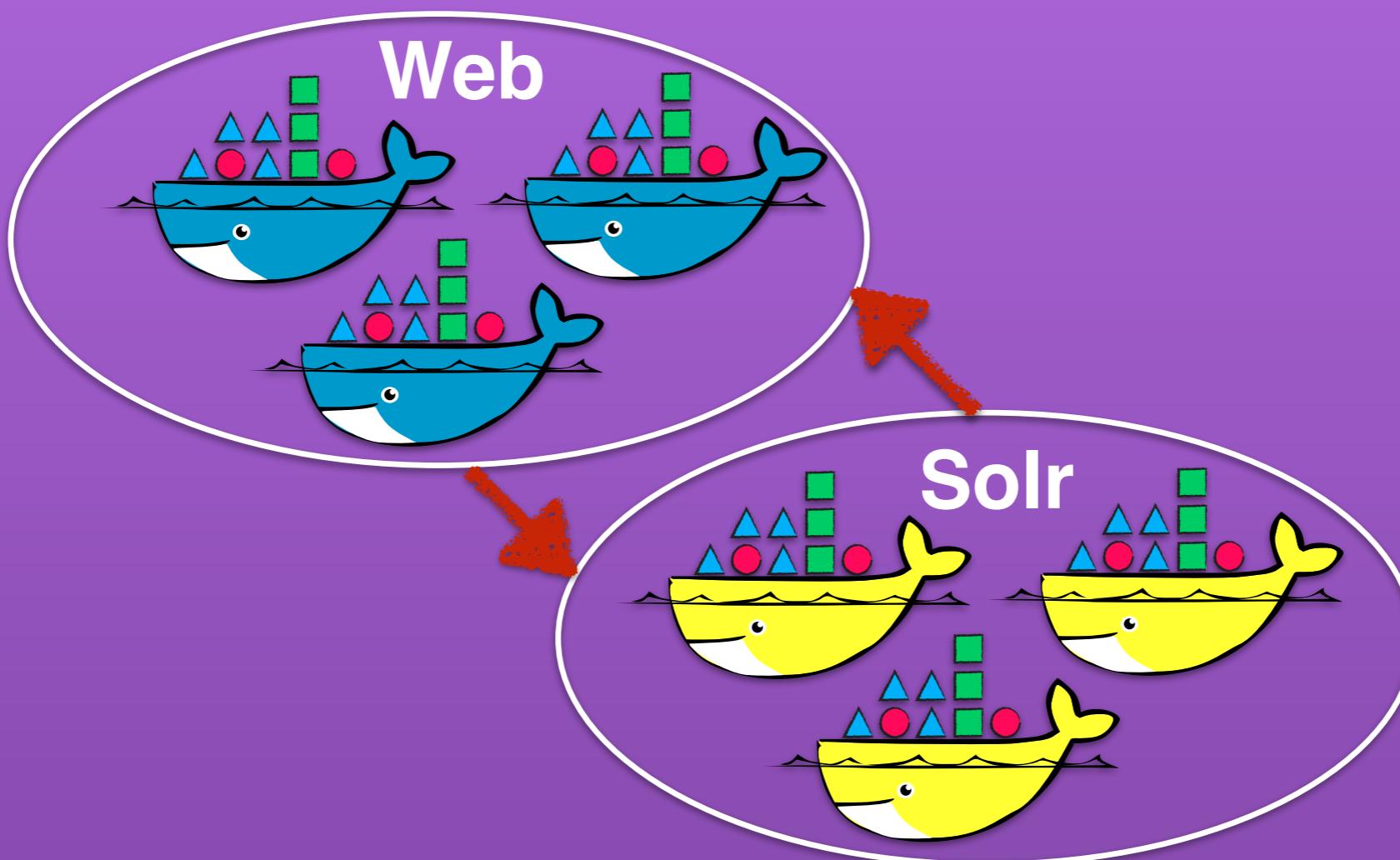




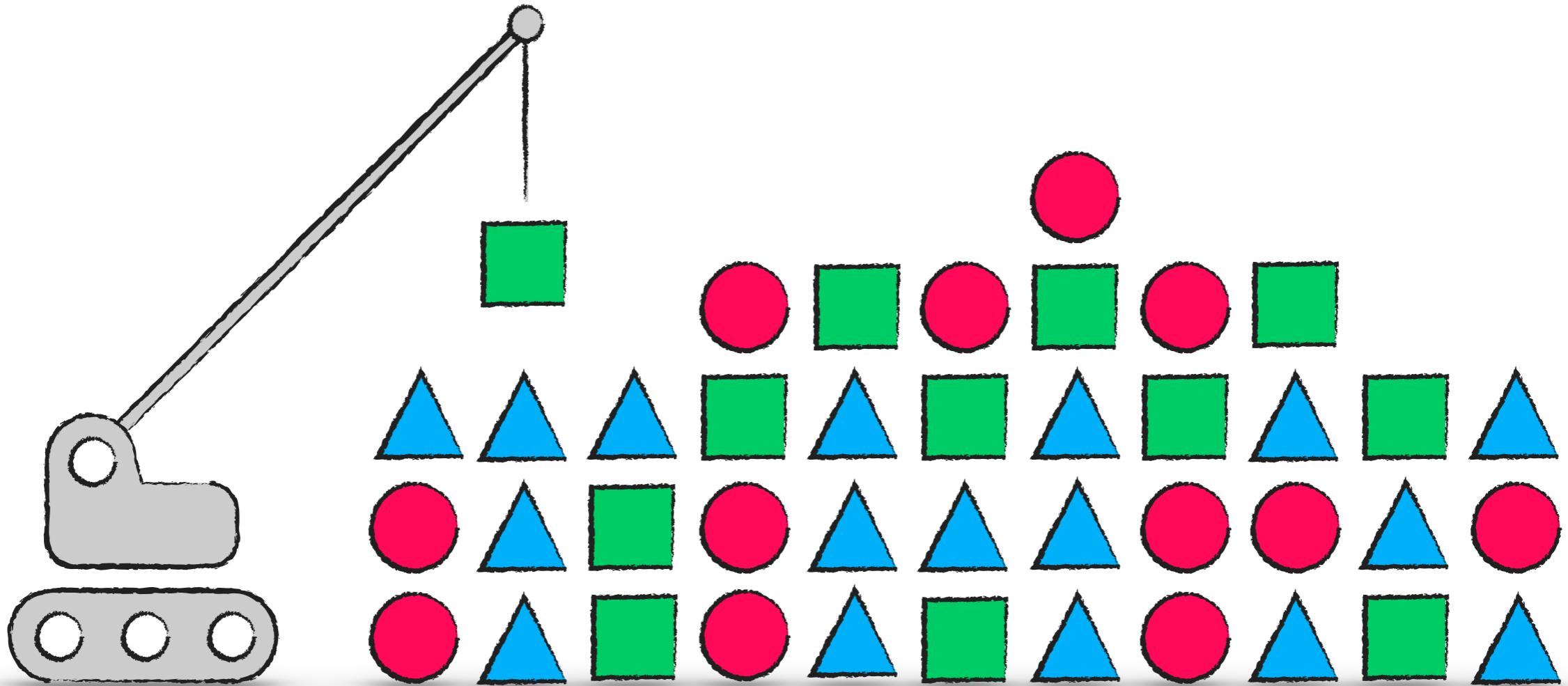
Connecting Web Services



Connecting Web Services



Connecting Web Services



Thanks !

Wouter de Vos
@wrdevos

@opendeis
#deis