

Building our own PaaS at Springest Deis

Wouter de Vos

CTO at Springest

What is Springest?

“The Amazon of
Learning”*



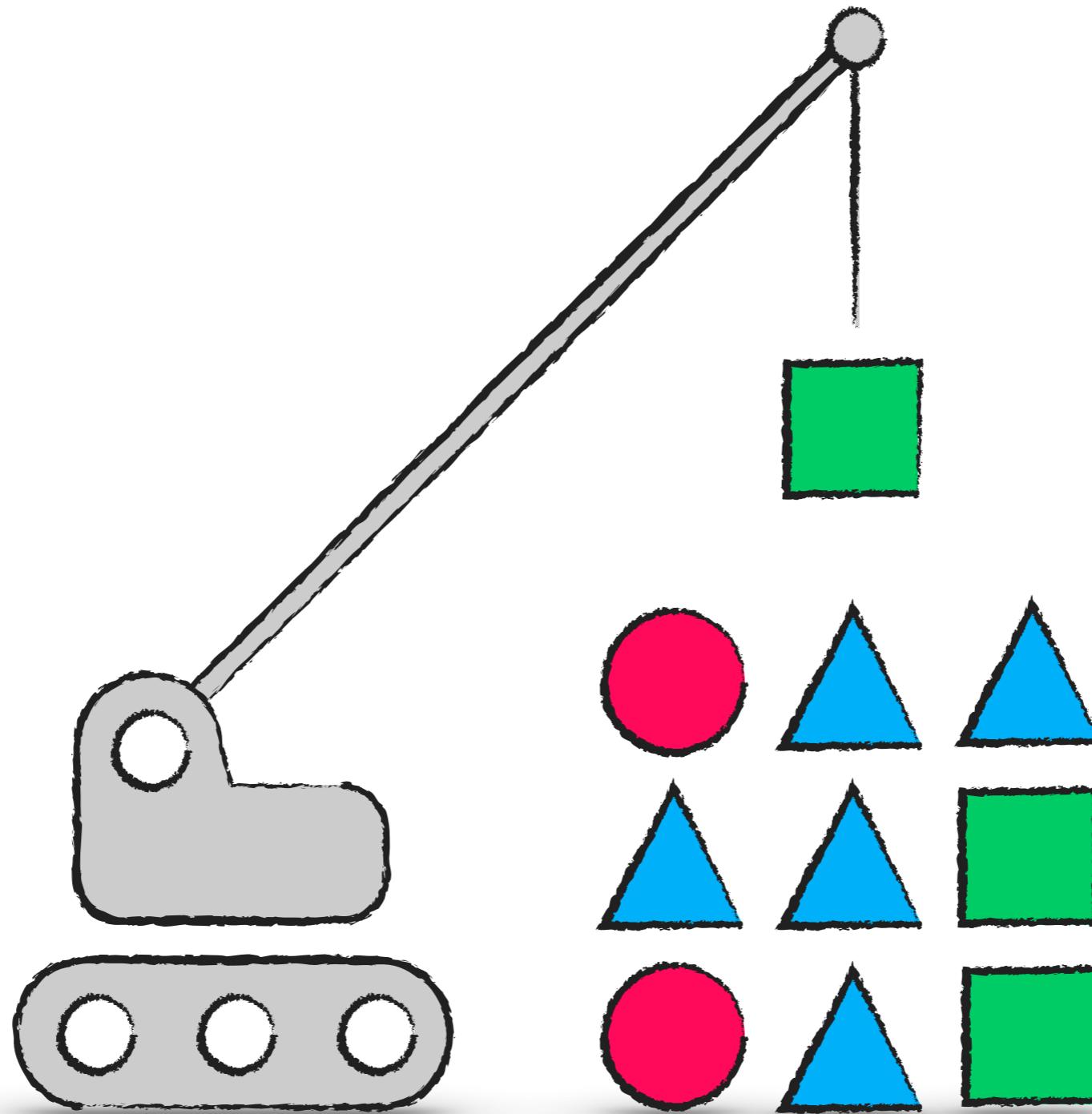
recommend

search

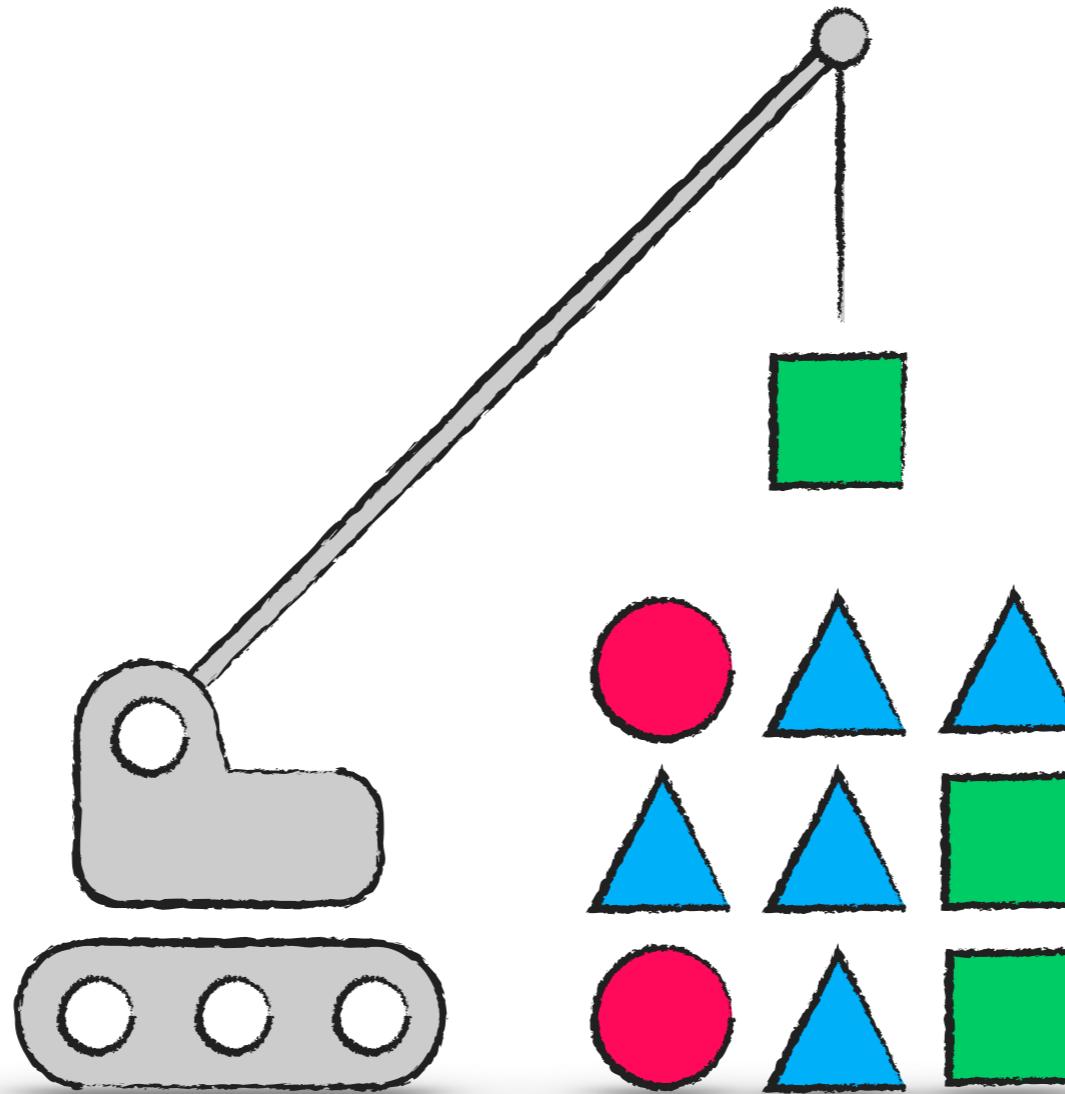
buy/
book

review

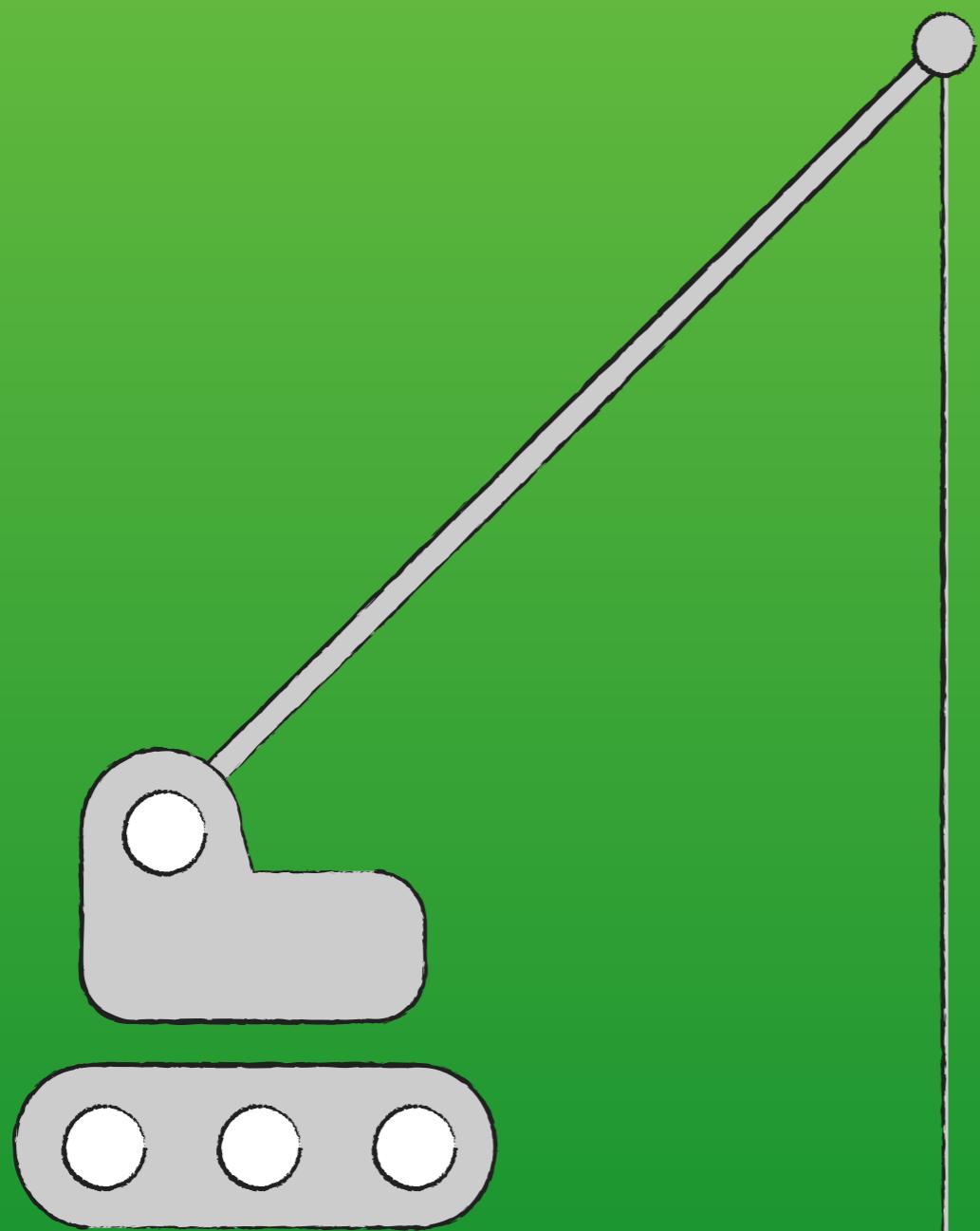
Yo, why a PaaS?



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

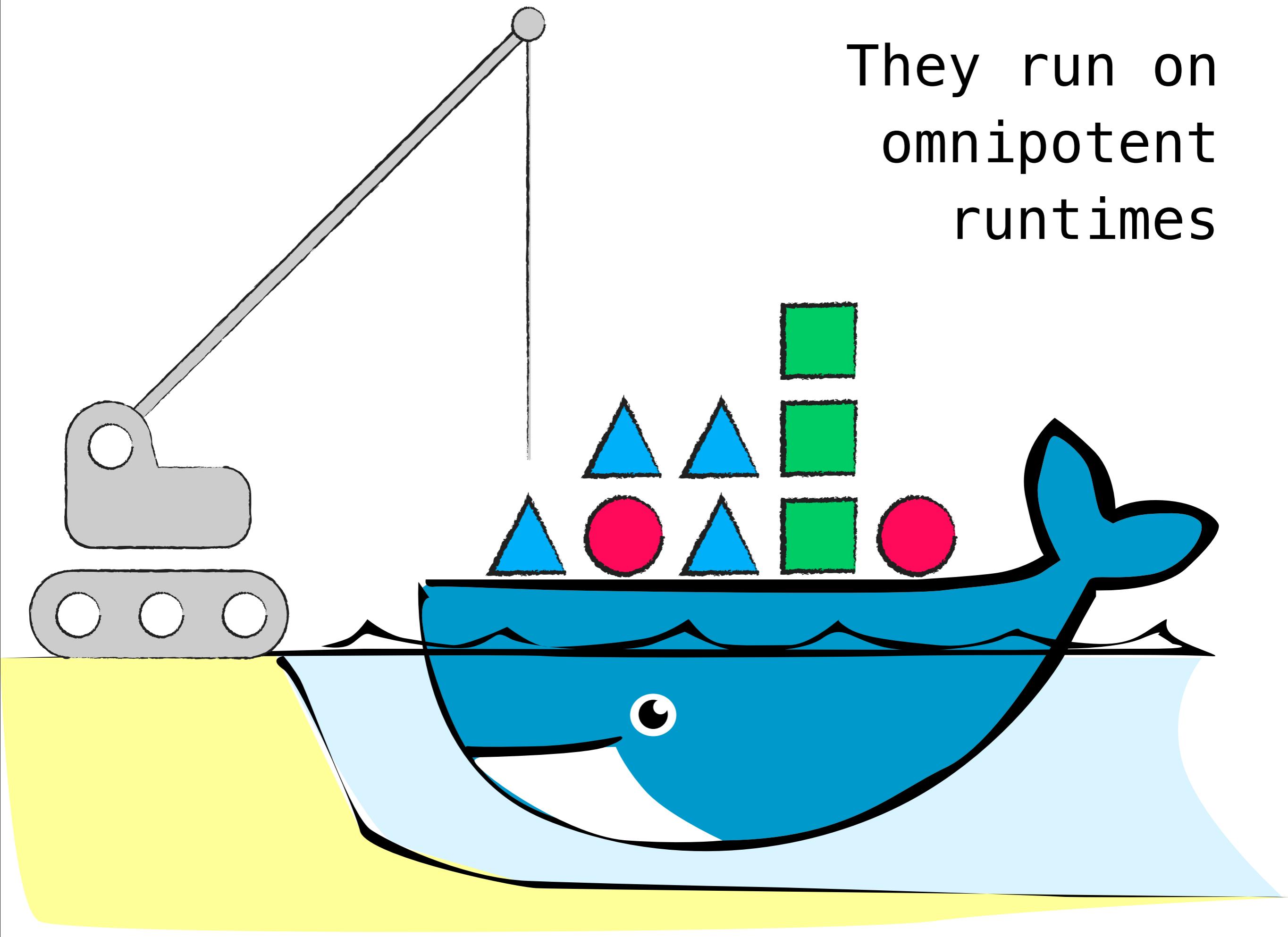
SO WE PUT A DOCKER IN YOUR DOCKER

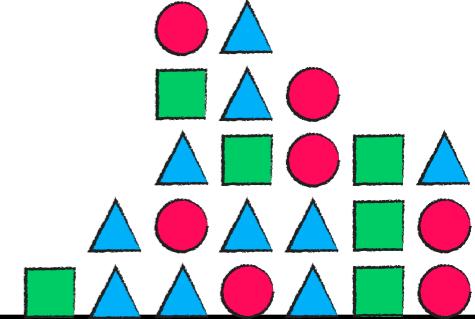
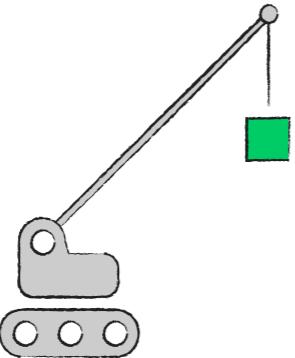
:')



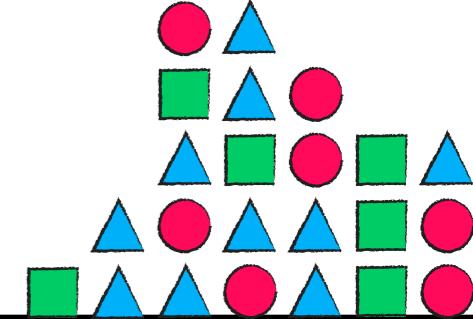
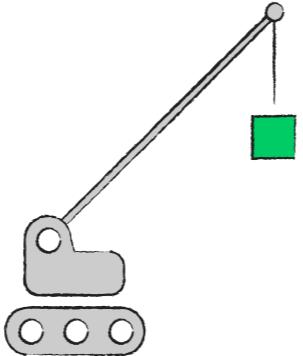
Everything
is in
containers

They run on
omnipotent
runtimes





SPRINGEST
MEMCACHED MONGODB
SOLR REDIS
POSTGRESQL



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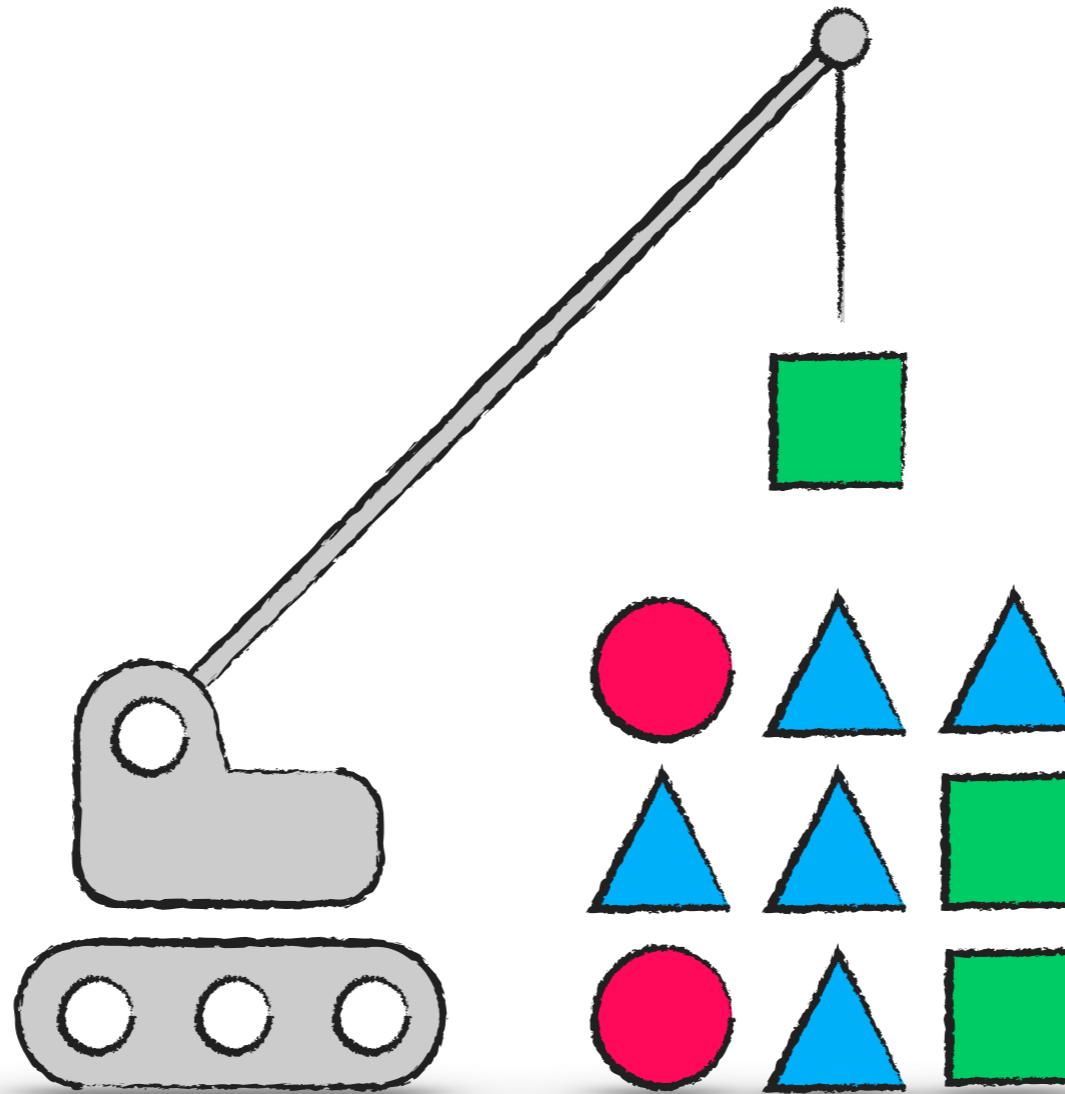
Ruby
Node.js
Clojure
Python
Java
Rails
Scalr
Play
Heroku
Buildpacks

\$ git push deis master

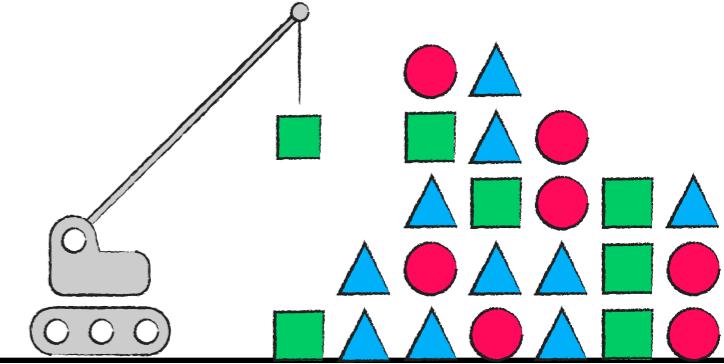
```
wouter@reinbook:~/Springest/one|adyen-integration$  
→ git push deis adyen-integration:master --force  
Counting objects: 636, done.  
Delta compression using up to 4 threads.  
Compressing objects: 100% (263/263), done.  
Writing objects: 100% (415/415), 52.36 KiB | 0 bytes/s, done.  
Total 415 (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

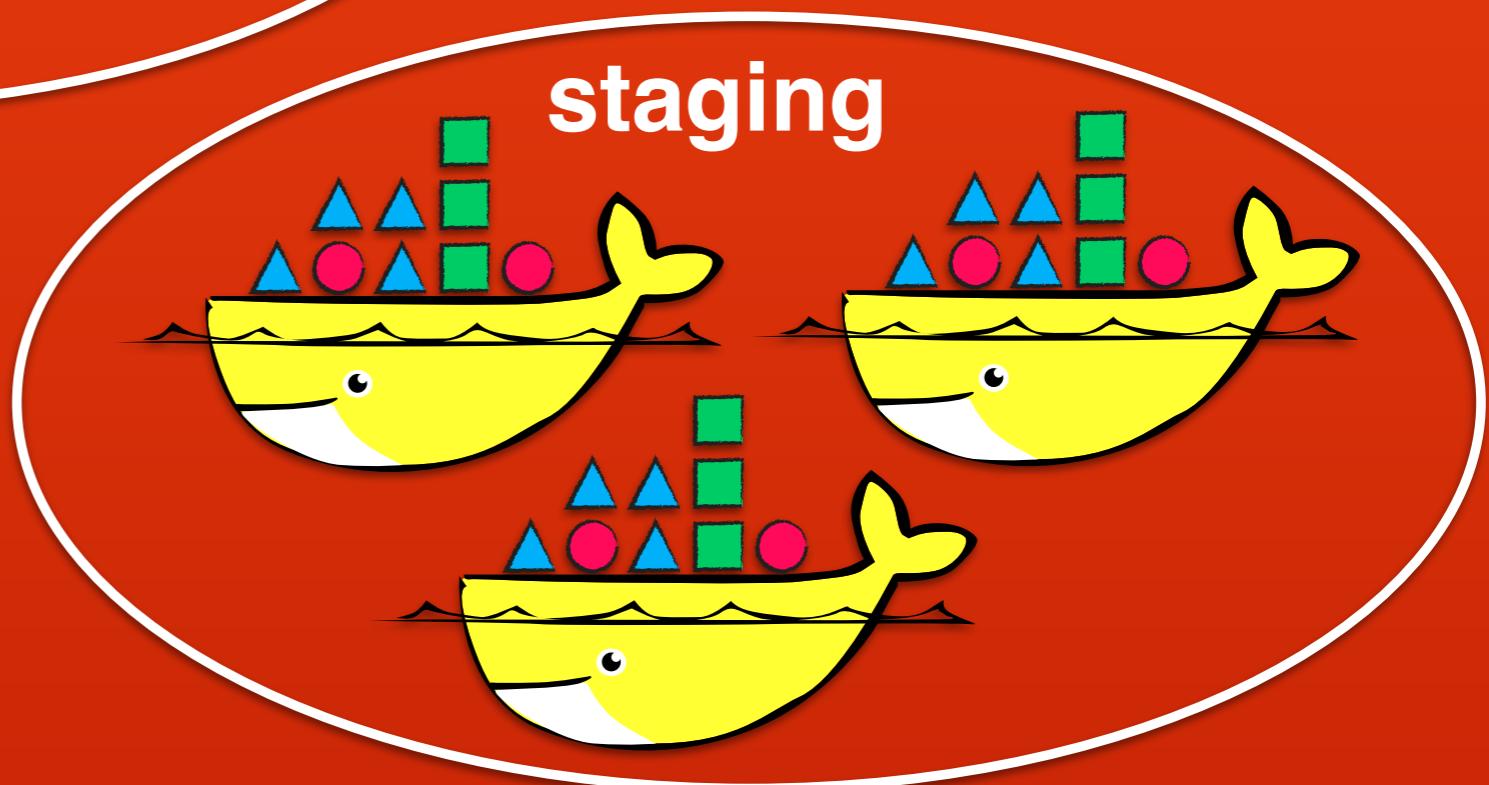
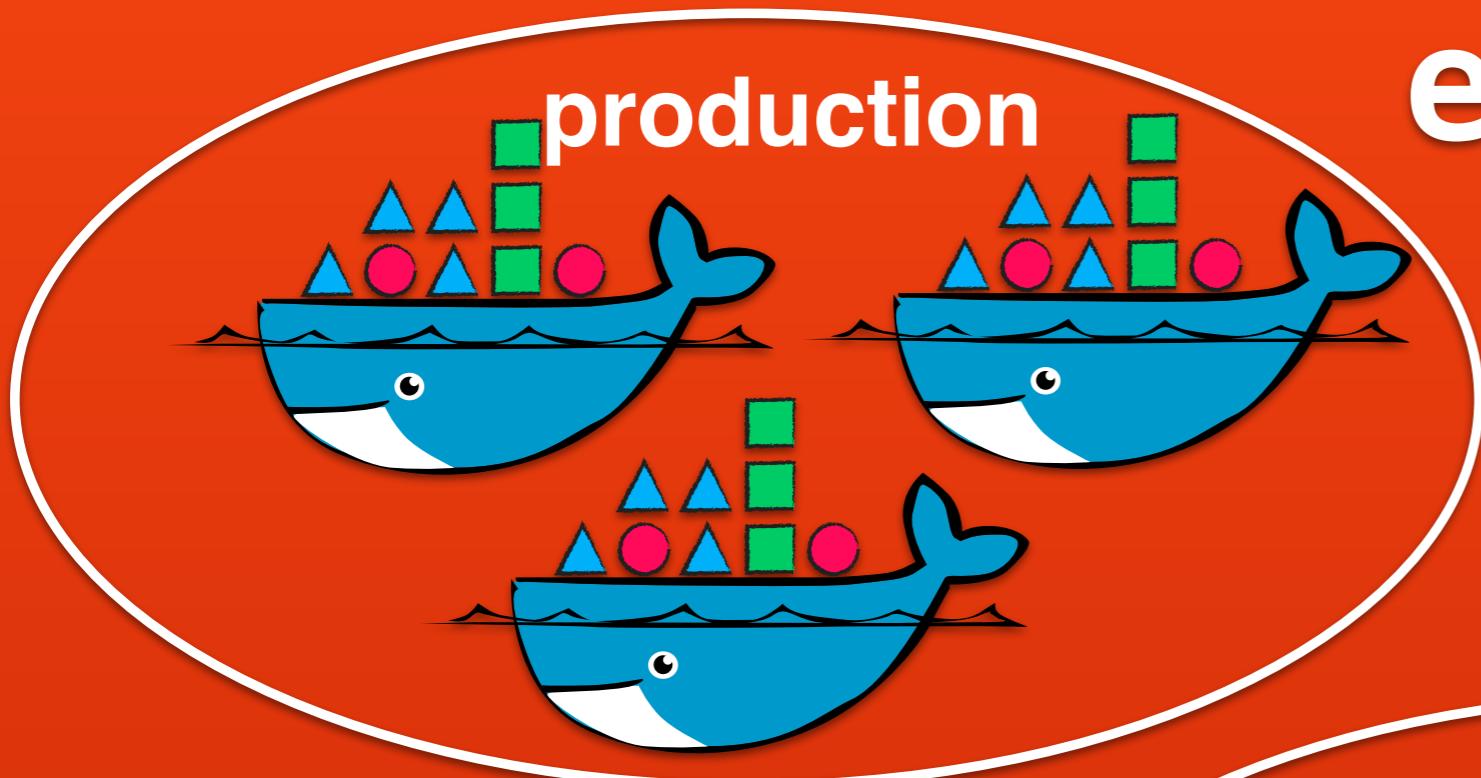


SPRINGEST
MEMCACHED MONGODB
SOLR REDIS
POSTGRESQL

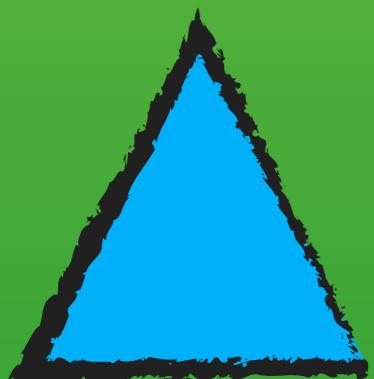
“One codebase tracked in revision control,
many deploys.”

– 12factor.net

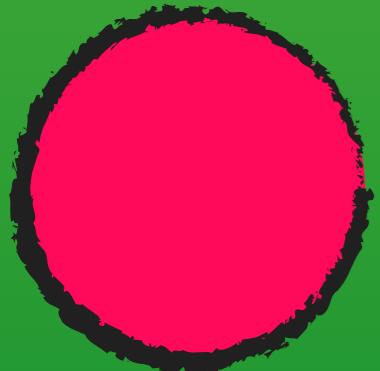
Formations are environments



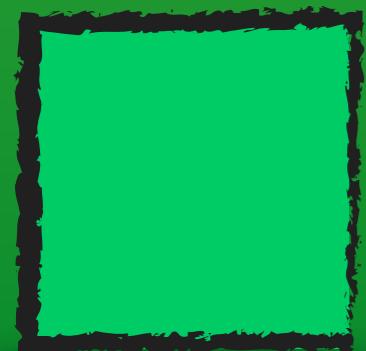
Foreman



\$ rake resque:work

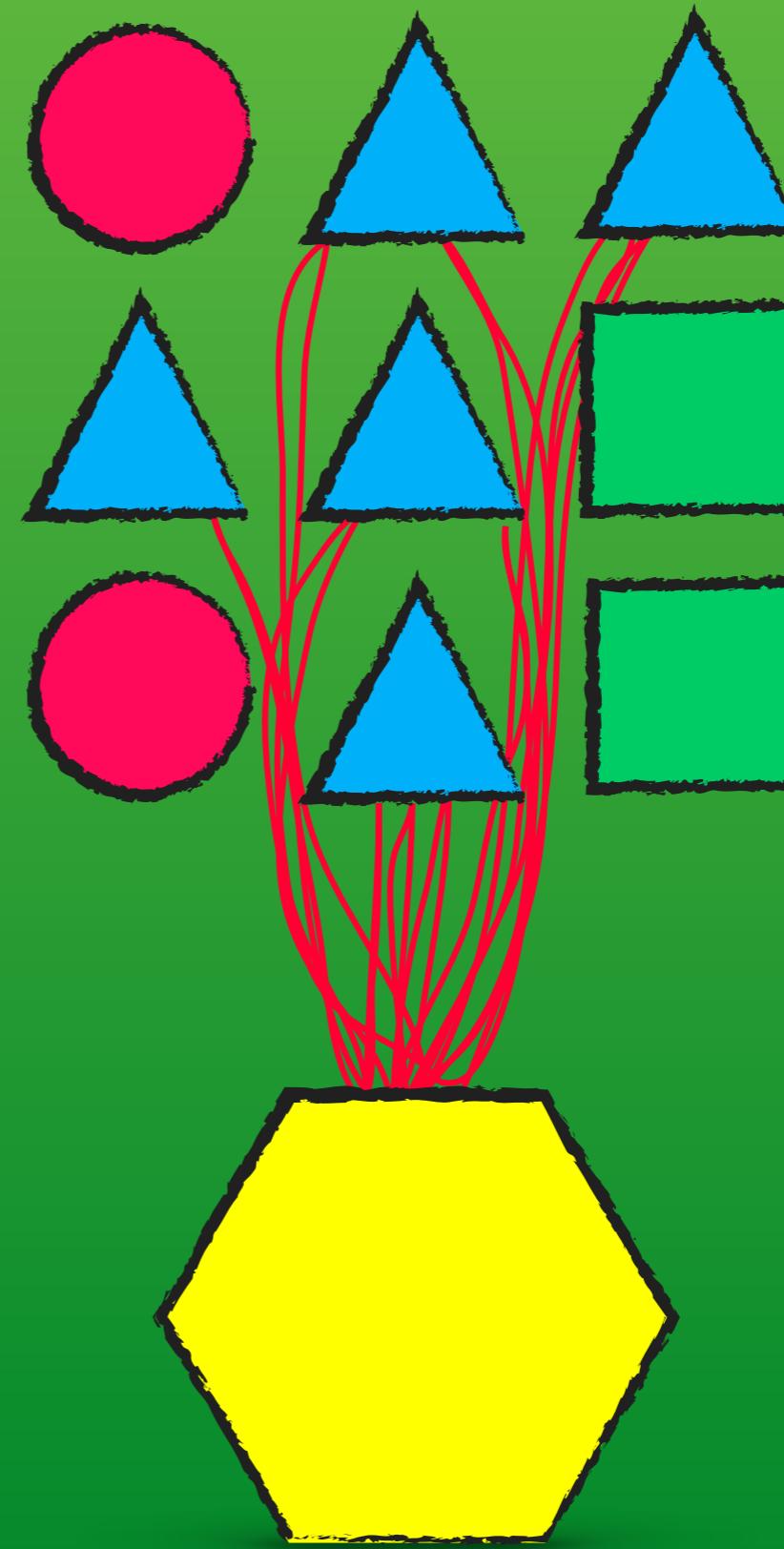


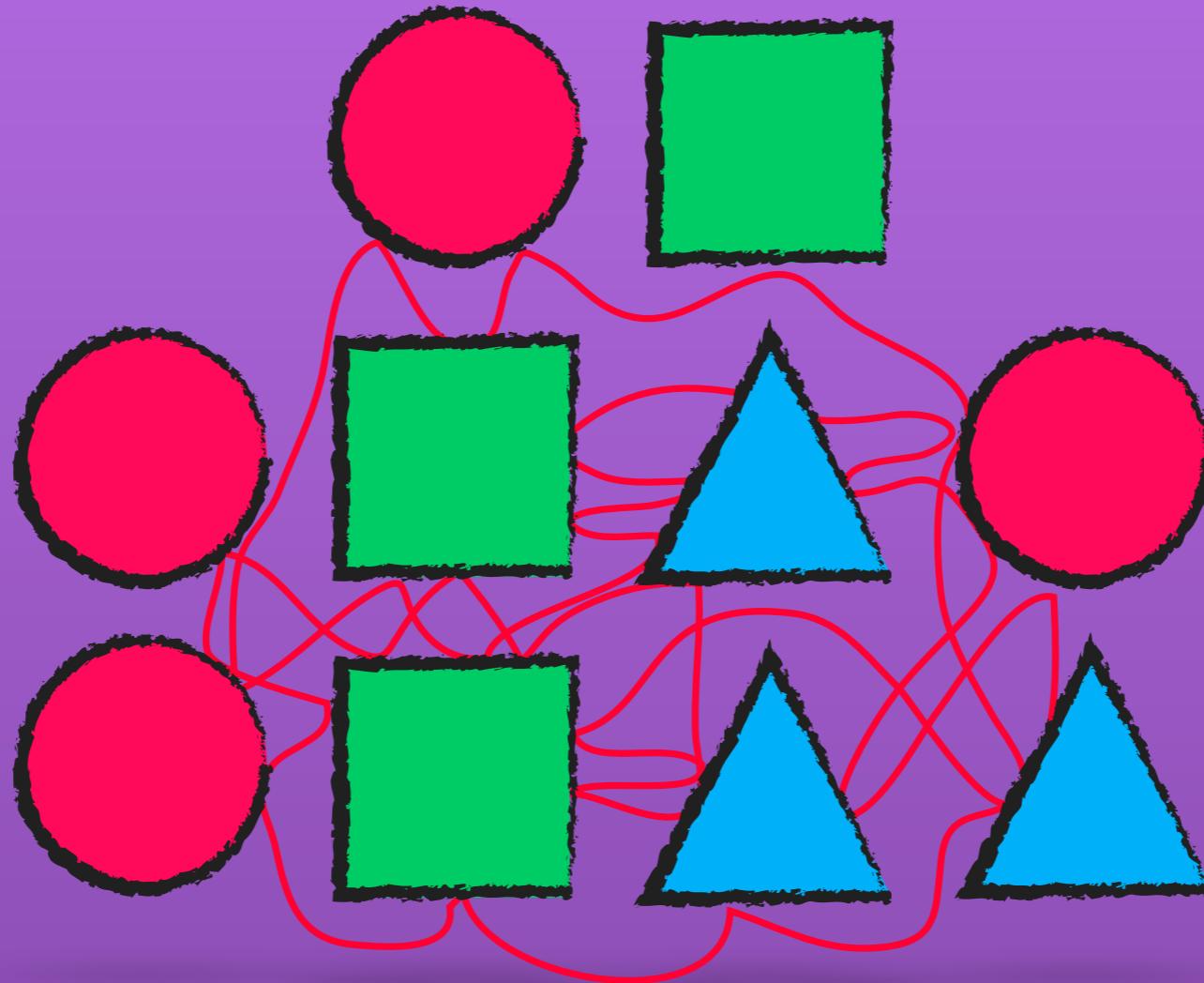
\$ unicorn -p \$PORT



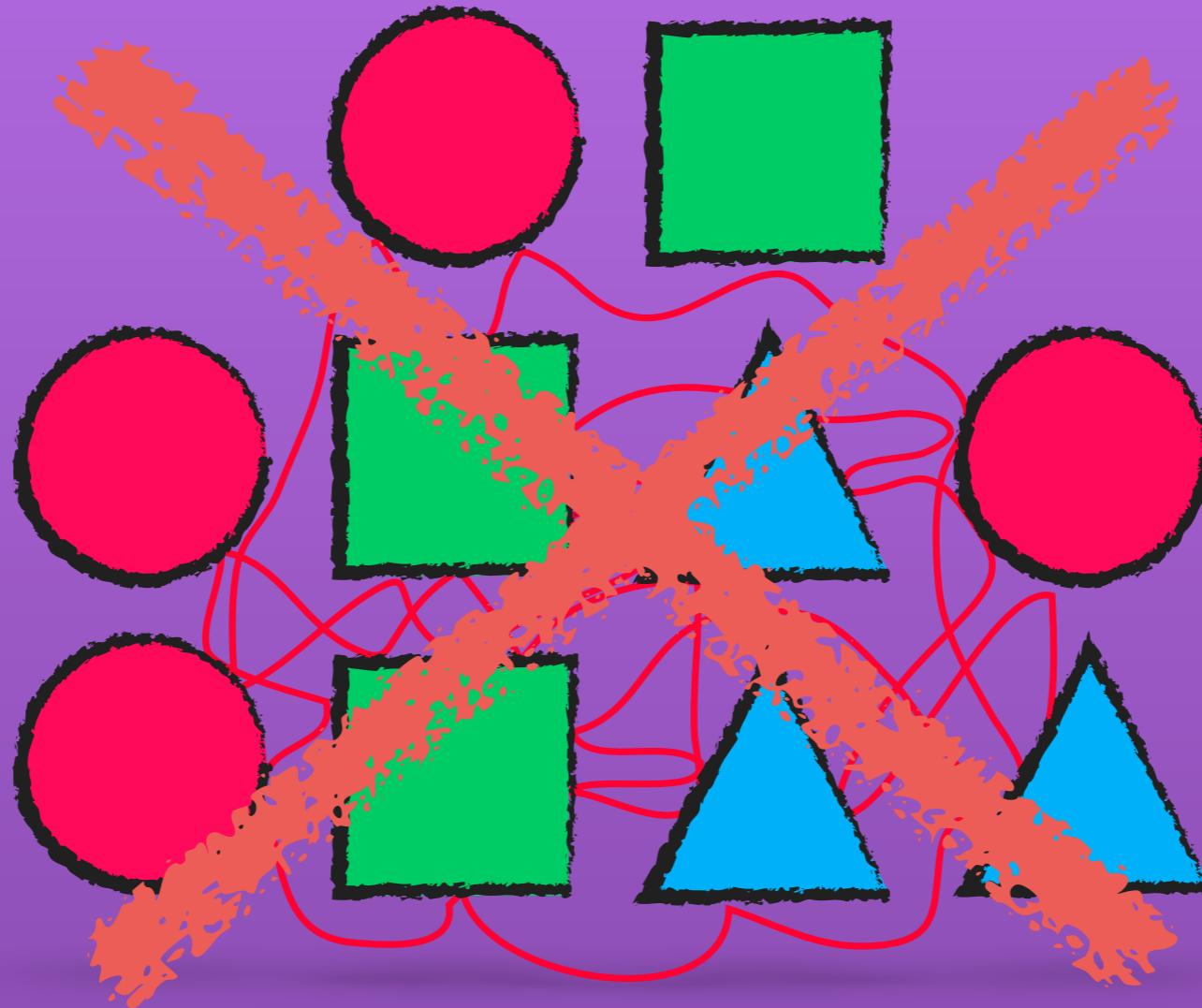
\$ script/solr start

nginx proxy for web services

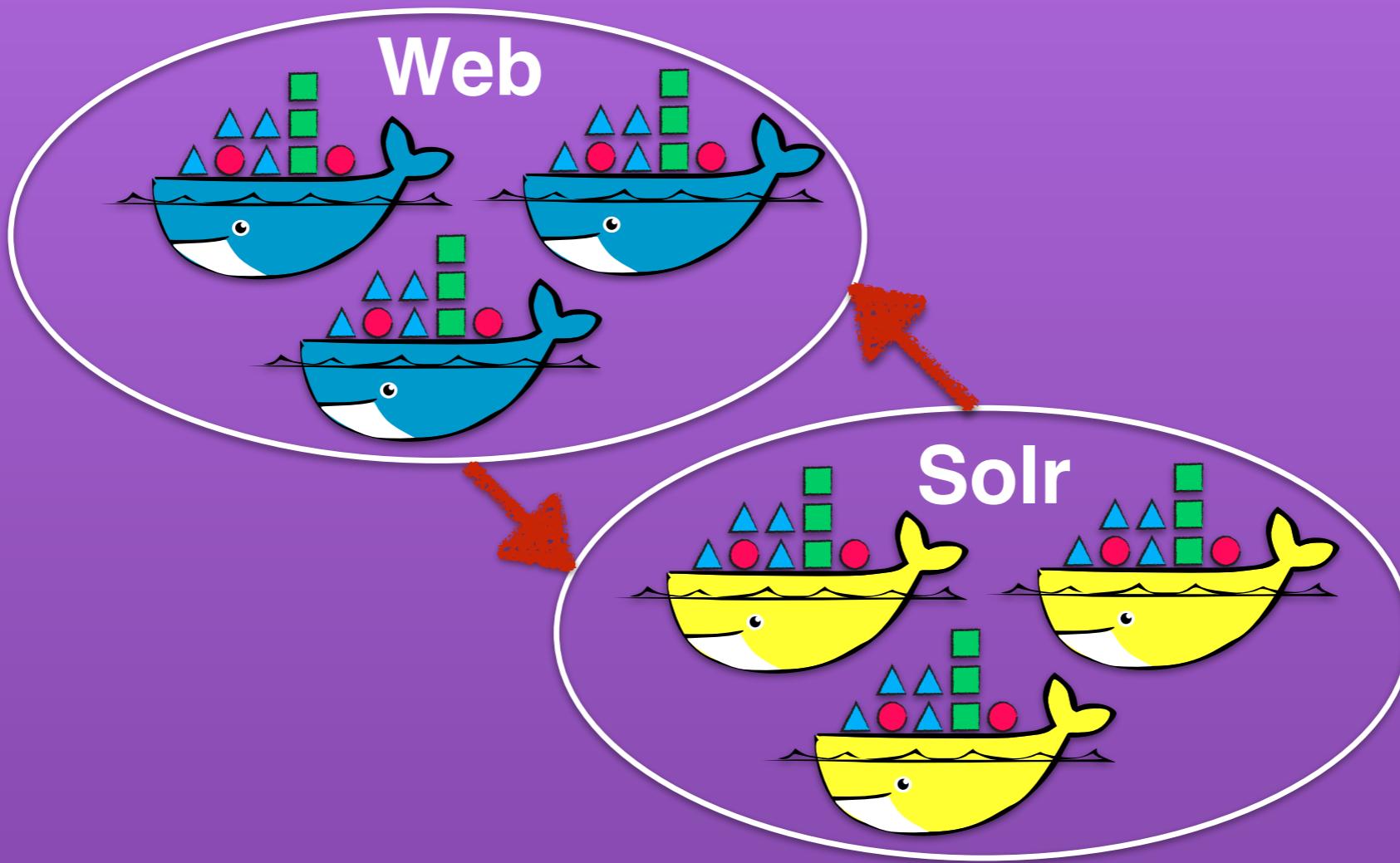




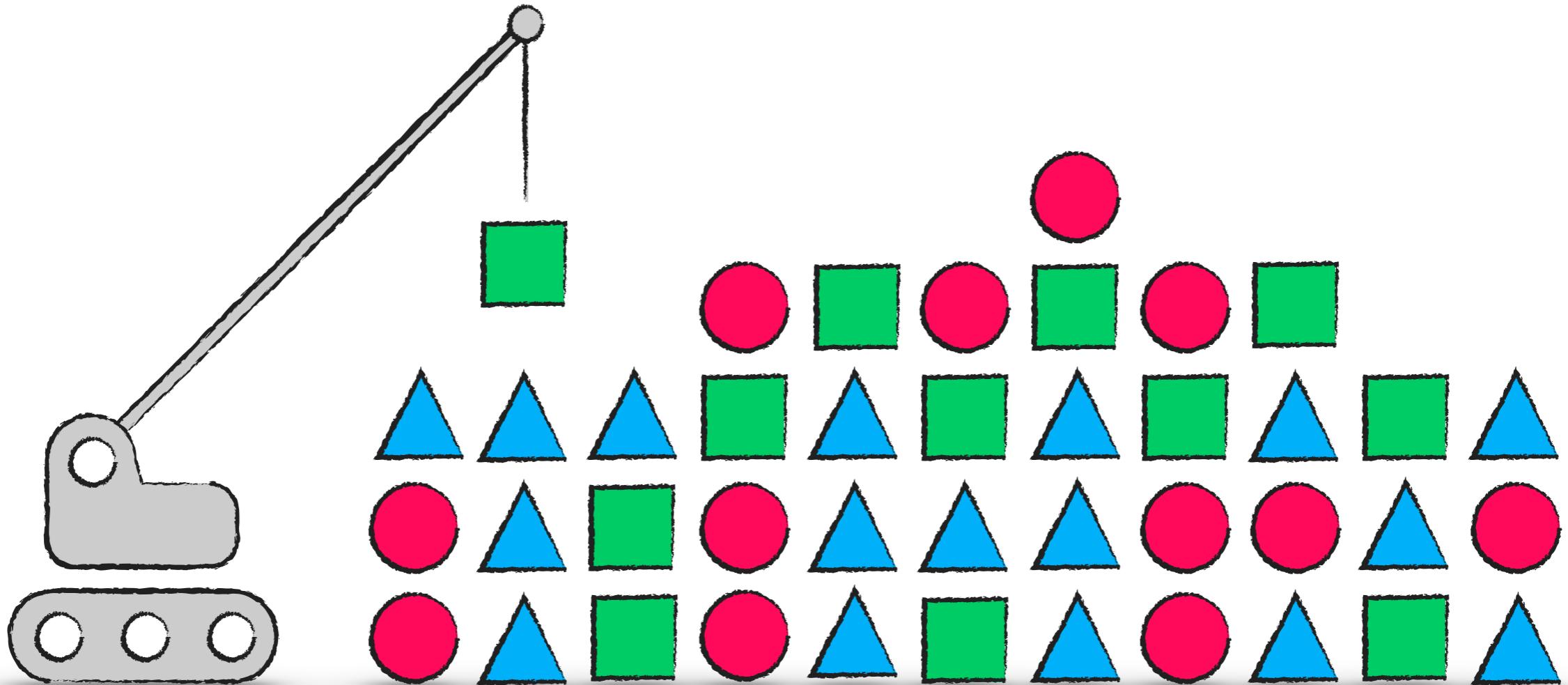
Connecting Services



Connecting Services



Connecting Services



Thanks !

Wouter de Vos
@wrdevos

@opendeis
#deis