



ITERATE.PHX

Continuous Delivery

Using Gitflow and Totem

Sukrit Khera



Anthony Garone



WHO IS MELTMEDIA?

**We make heroic websites
and apps for all screens**



SAIFE Dashboard >

Dashboard + ADD NEW ORGANIZATION

WELCOME TO THE DASHBOARD
Thank you for creating your account with the SAIFE® Dashboard! Your next step is to create a new organization, which will be the basis for a secure network of people, devices, and applications talking safely to each other and routing authenticated data.

Quick tour: the Navigation bar to the left side of your screen will let you modify your user account settings, view SAIFE, Inc.'s other products, access help & support resources, see notifications about your account, and log out securely. This bar can be collapsed using the drawer icon to the right of our logo. Once you have created one or more organizations, they will appear below as rectangular tiles. If you have any questions, or would like to access our detailed User Guide, please click on the Help & Support question mark to your left.

Organization 01	Organization 02
3 ENDPOINTS 2 USERS 8 CERTIFICATES USAGE 10 of 30mb VIEW ORGANIZATION 01	3 ENDPOINTS 2 USERS 8 CERTIFICATES USAGE 10 of 30mb VIEW ORGANIZATION 02
Organization 03	Organization 04
3 ENDPOINTS 2 USERS 8 CERTIFICATES USAGE 10 of 30mb VIEW ORGANIZATION 03	3 ENDPOINTS 2 USERS 8 CERTIFICATES USAGE 10 of 30mb VIEW ORGANIZATION 04

Tyson **BEST PARTY HOST**

Are You the #1 Party Host? **PROVE IT!**

Grand prize winner receives 2 tickets to the 2015 big game and a \$500 Visa Gift Card

HOW TO PLAY OFFICIAL RULES

Create an account and submit entries before December 1, 2014. Vote for your five favorite profiles once a day and check out the Top Ten Finalists when they're announced December 10, 2014 followed by a final winner January 1, 2015. Winners could score a grand prize pack that includes 2 tickets to the 2015 big game and a \$500 Visa Gift Card.

CREATE YOUR ENTRY & UPLOAD YOUR BEST PARTY PHOTOS → SHARE YOUR PROFILE TO GET VOTES FROM FRIENDS & FAMILY → WE PICK THE TOP 10, AND THE WINNER GETS TICKETS TO THE BIG GAME!

T2P **Roche**

Home Digital Media Clinical Insights Archived Documentation

Trials to Patient Toolkit

The T2P Toolkit offers you a single place to find information on each of the practices that can help you design and execute a more patient-centric clinical trial. Within each section you'll find a variety of resources, whether it's just to learn more about how a practice can be used, or specific guidance on vendors and costs.

Getting started is easy...just select one of the practices below!

Digital Media

Access resources and information about the use of Digital Media for Patient Recruitment. Find out why, when and how to use digital media strategies and tactics to recruit your trial, including the use of...

Clinical Insights

Learn more about Clinical Insights and see how different quantitative and qualitative research tools for obtaining the patient and physician perspective can help you design and implement more...

Archived Documents

Access examples of what teams have already done using different T2P practices, organized by therapeutic area.

parchment HOME TRANSCRIPTS COLLEGE TOOLS DISCUSSION 6 Settings

YOUR PROFILE IS 47% COMPLETE | QUICK QUESTION

25 Colleges on your list	9 Colleges on your Applying list	5/9 Colleges received your transcript	2 Colleges admitted you	+ Colleges you are attending
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TRANSCRIPTS

Chaparral High School 4 TRANSCRIPTS SENT [SEND TRANSCRIPT](#) [ORDER HISTORY](#)

ADMISSIONS SIMULATOR

UPDATE YOUR COLLEGE LIST OR PROFILE TO RUN ANOTHER SIMULATION

0% chance of getting into at least one reach

0 reach colleges that will likely admit you

YOUR SCHOOLS

Safety 3/10
Match 4/10
Reach 3/10

COLLEGE LIST

EXPORT LIST Add a college to your list

HONORHEALTH 480-882-4000

Home Company Physicians Medical Services Locations Wellness MyChart Community Patient Info

At HonorHealth we're making healthy personal

Find a Doctor Locations Patient Info Supported Insurance Pay My Bill My Chart

Honoring YOU every step of the way.

At HonorHealth, our Mission, Vision and Values aren't simply words on the wall. They serve as our roadmap for the future, and our guide for our daily interaction with everyone we meet.

[LEARN MORE](#)

FULTON HOMES DESIGN CENTER

Design centers built for you

Take Me There

About
ISI is shaping the industry, built on a strong foundation of experience and leadership. [Learn more](#)

Products & Services
Quality products, successful projects - our promise to you. [Learn more](#)

Locations
We are constantly growing. Find a Design Center near you. [Learn more](#)

WASHINGTON Design Centers: 1 Corp. IT Location: 1 Operating Centers: 4
IDAHO Operating Centers: 1
VIRGINIA Design Centers: 1
NEVADA Design Centers: 5 Operating Centers: 3
TENNESSEE Design Centers: 1
CALIFORNIA Design Centers: 14 Corp. Locations: 1
COLORADO

52 LOCATIONS
35 DESIGN CENTERS ACROSS THE U.S. and more coming soon.
MAP KEY

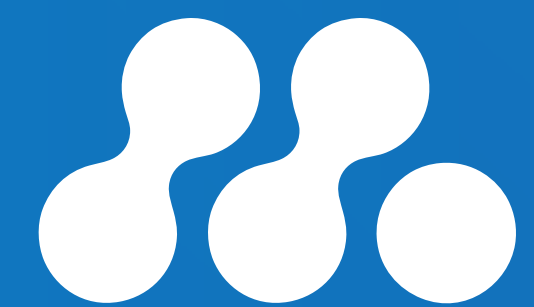
Who we are

People first

Creativity through technology

Variety of skills

An atypical agency



What are we covering today?

Our Deployment Story

Rise of Totem Empire

Don't Tell Me...Show me!

What's Next?

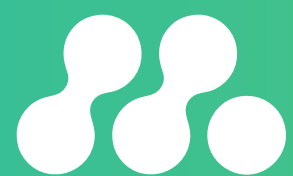
Q&A





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Our Deployment Story



"Machines need
to be productive.

**People need
to be effective."**

Jim Benson & Tonianne DeMaria Barry

We write code
for ourselves
and **our clients**



We had to
manage our code



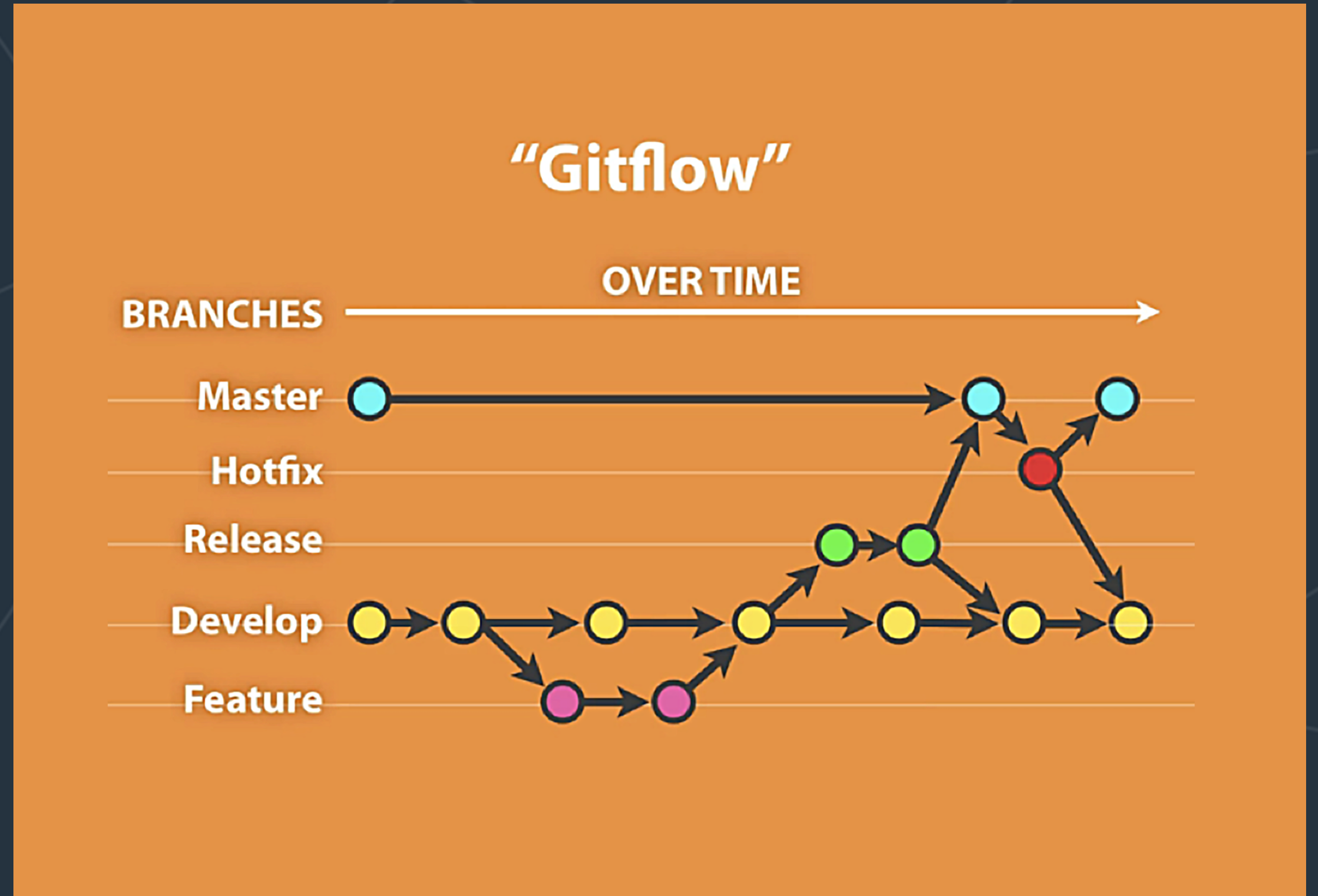
git



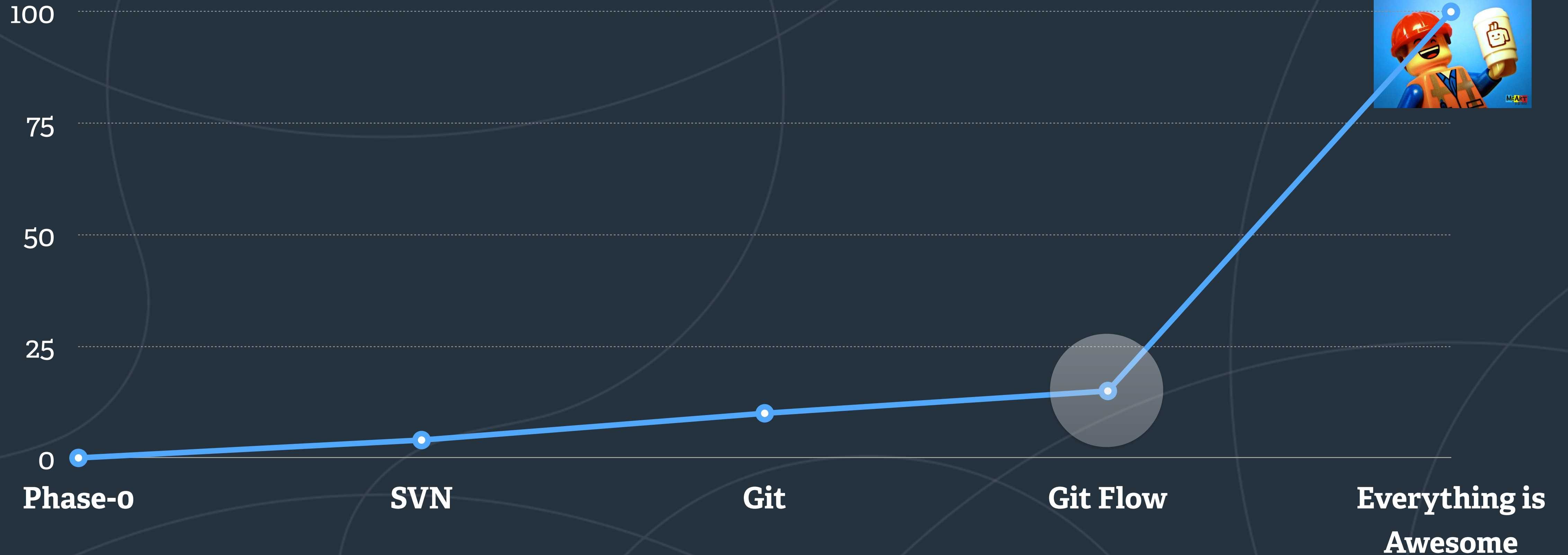
GitHub



We had to
**manage how
we code**



Our Awesomeness Chart

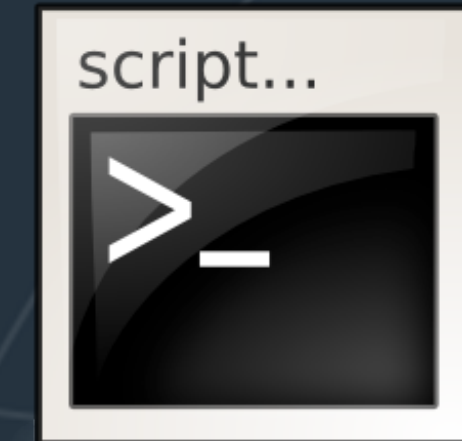


We deploy code
for ourselves
and our clients



Adhoc Deployments

maven



GRUNT



EC2

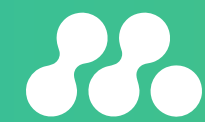


Nice tools!
Nice workflow...

Test new version
Build new version
Deploy new version
Validate deploy
Route traffic to new version
Decommission old version



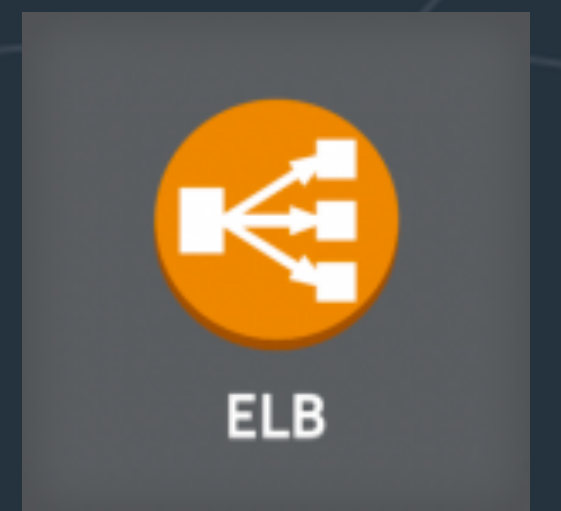
But I am a
developer and...



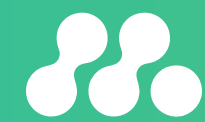
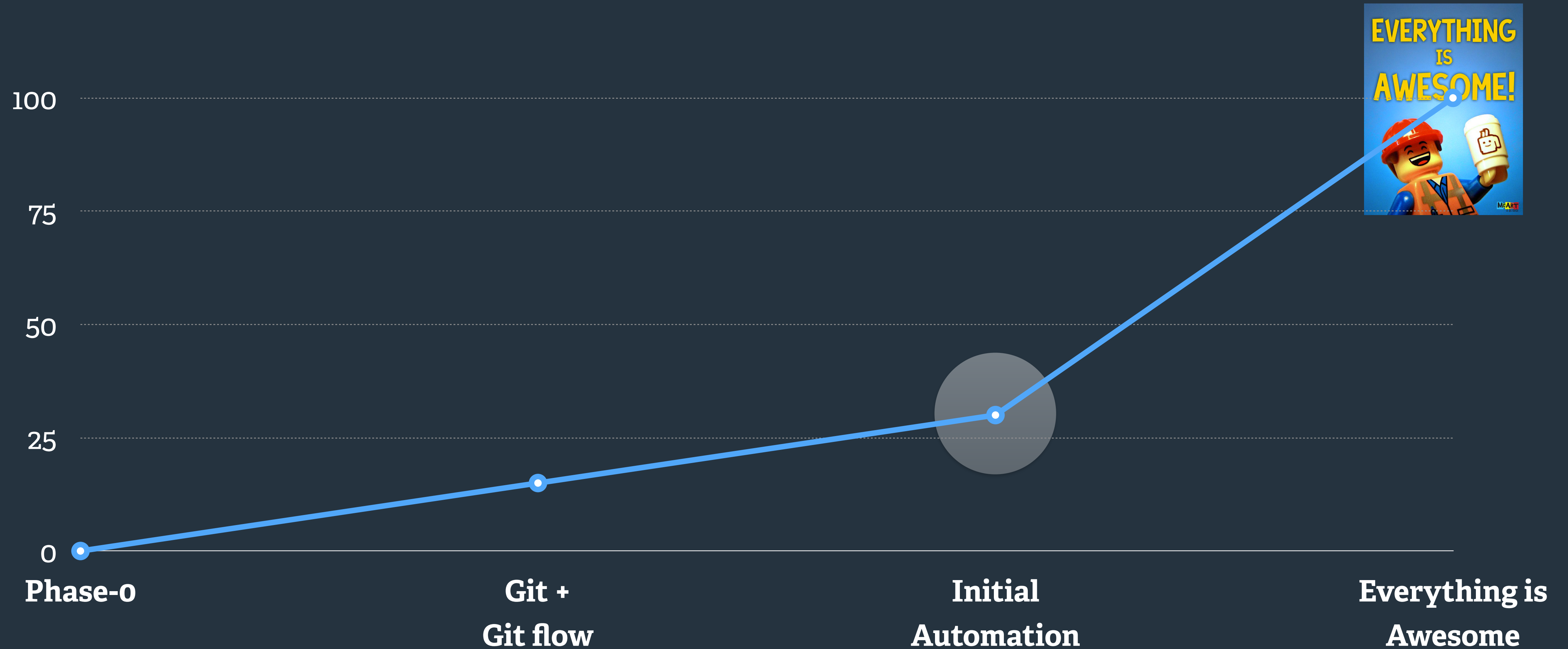
Let us
automate!



+



Awesome but not enough...



Our Challenges



Under utilized stacks

Learning curve

Operational overhead

Diversified stacks

Automated but not continuous



And **still...**



Then came
our rescue ship



docker



So we
started
building...





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Rise of Totem Empire



We started small and
needed a workflow



Recap: **Deployment Steps**

Test new version
Build new version
Deploy new version
Validate deploy
Route traffic to new version
Decommission old version



Let's start with what's easy: **Build and Deploy**



GitHub



Build Image

Deploy Image

docker
build

docker
run

Test new version

Build new version

Deploy new version

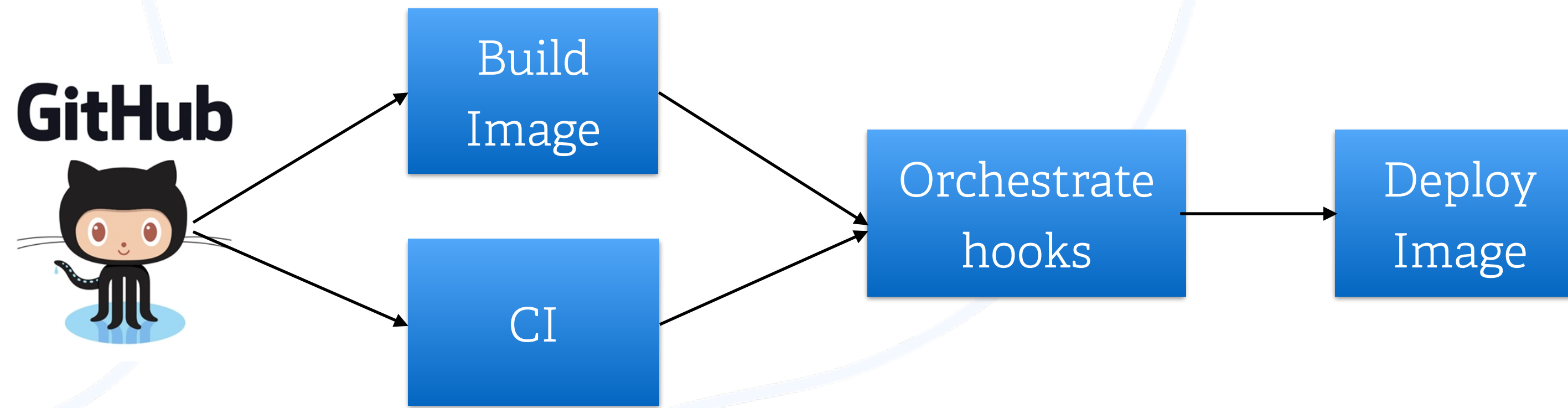
Validate deploy

Route traffic to new version

Decommission old version



Then attach existing test automation

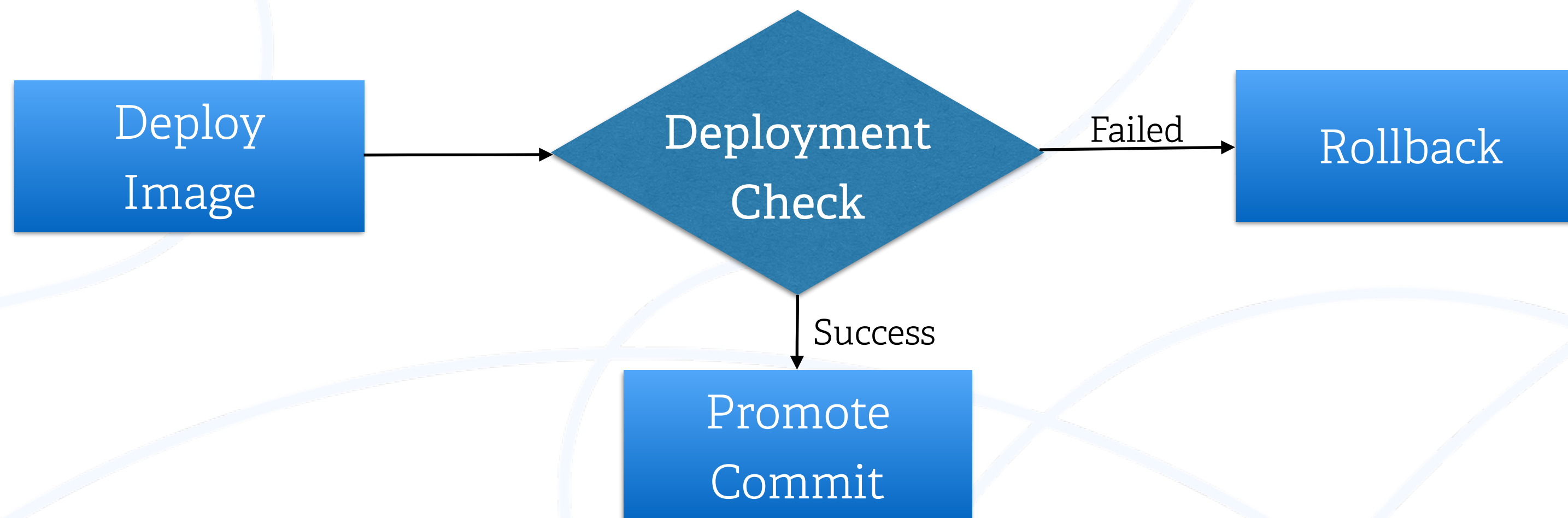


- Test new version
- Build new version
- Deploy new version
- Validate deploy
- Route traffic to new version
- Decommission old version



Let's make a promise...

check before you deploy



~~Test new version~~

~~Build new version~~

~~Deploy new version~~

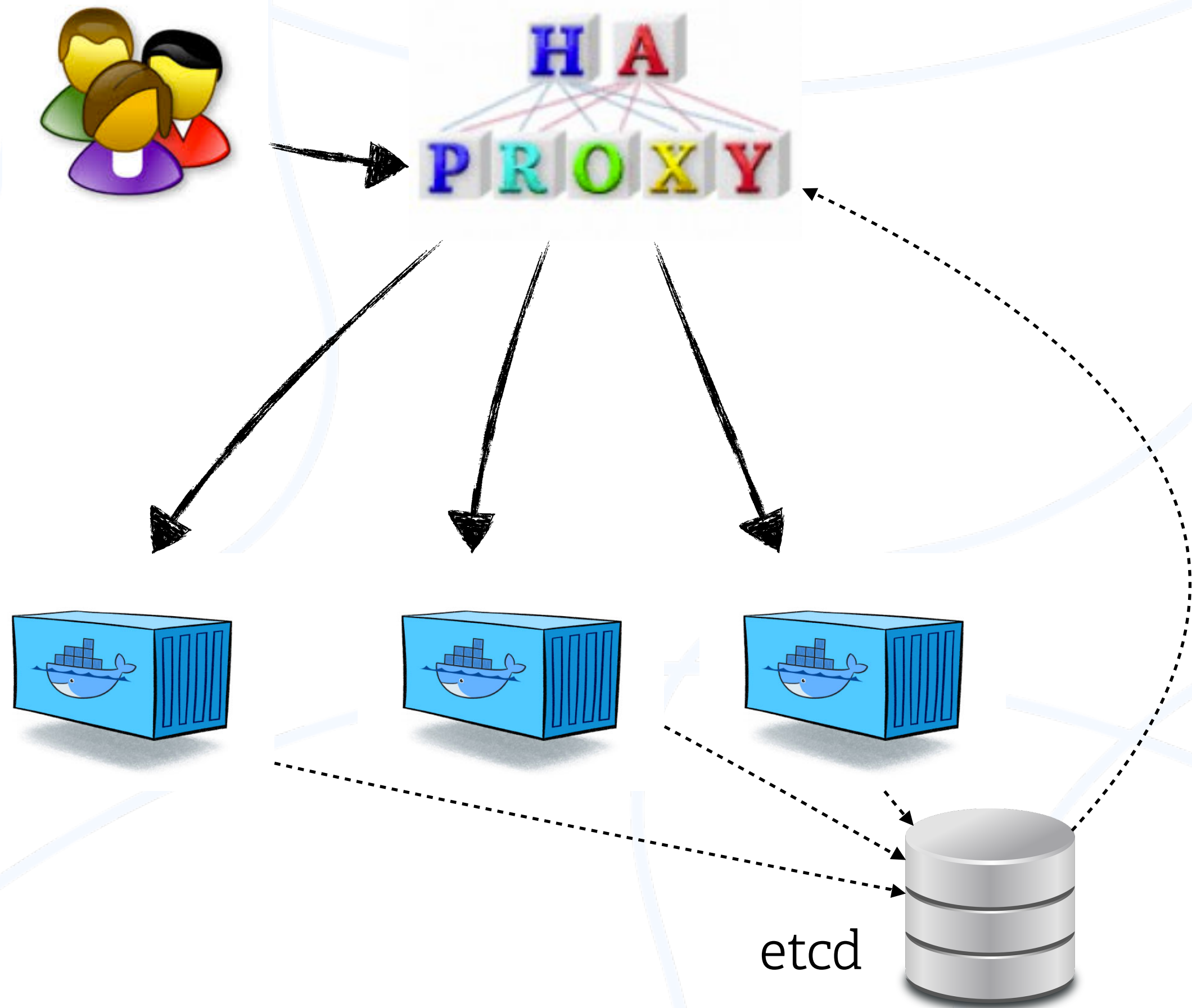
Validate deploy

Route traffic to new version

Decommission old version



where is **my app** ?



Deploy Image

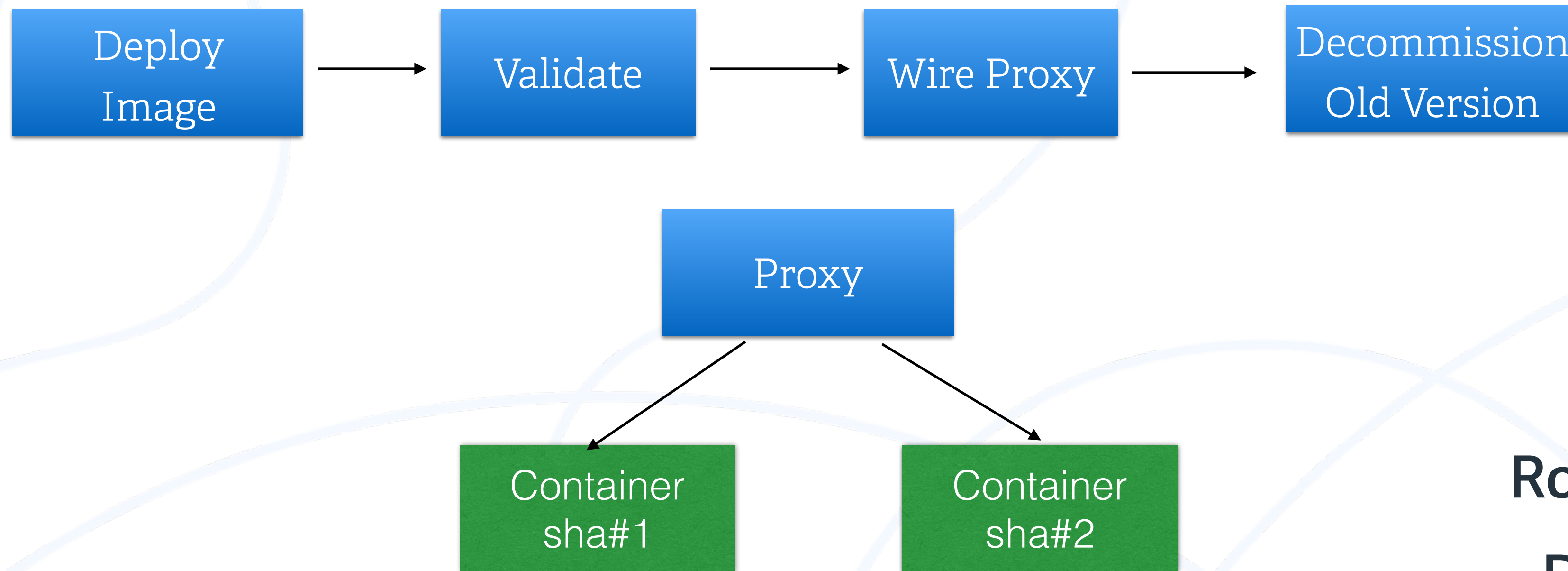
Validate

Wire Proxy

- ~~Test new version~~
- ~~Build new version~~
- ~~Deploy new version~~
- ~~Validate deploy~~
- Route traffic to new version**
- Decommission old version



another commit! ready to be deployed

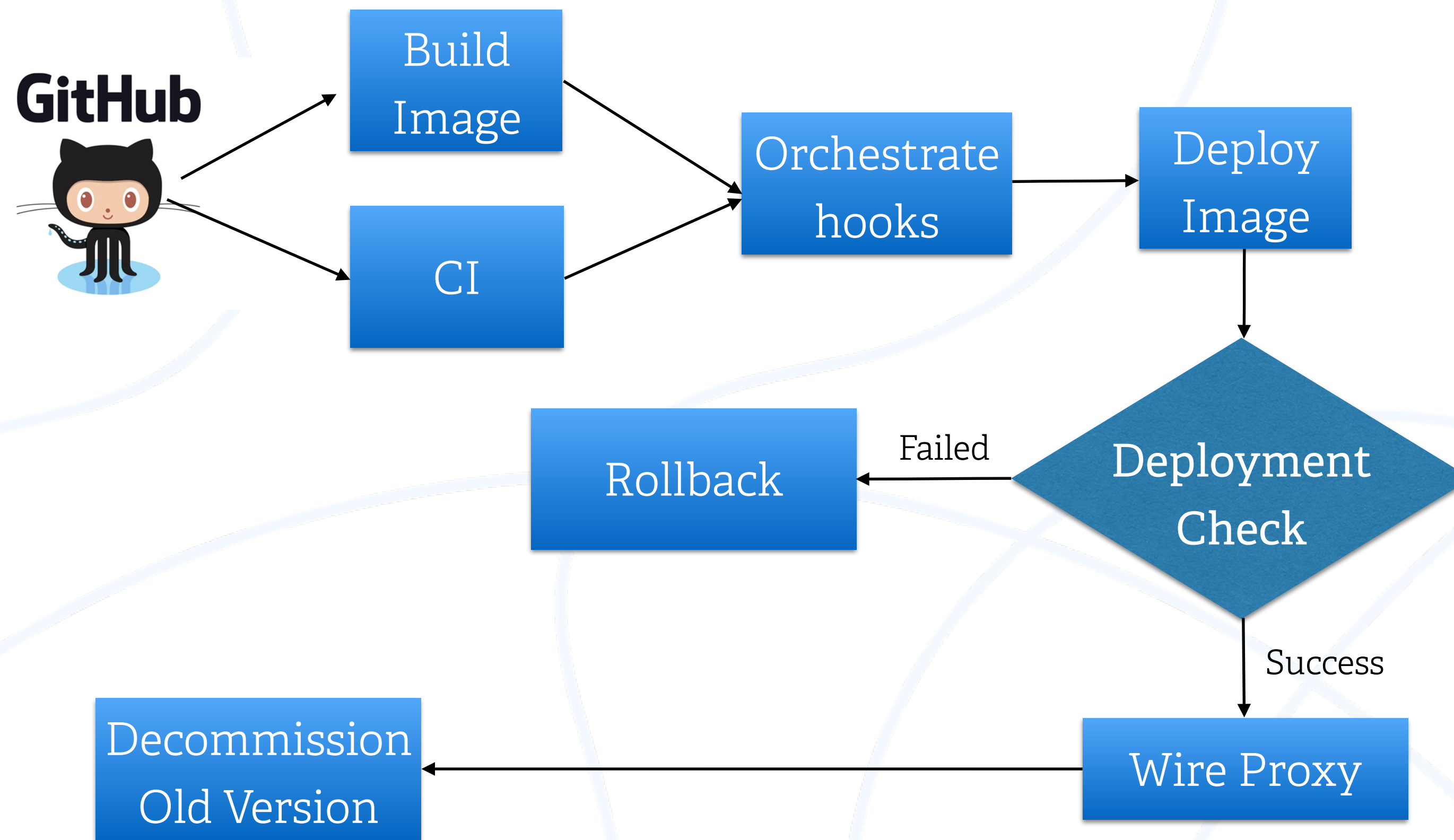


~~Test new version~~
~~Build new version~~
~~Deploy new version~~
~~Validate deploy~~

Route traffic to new version
Decommission old version



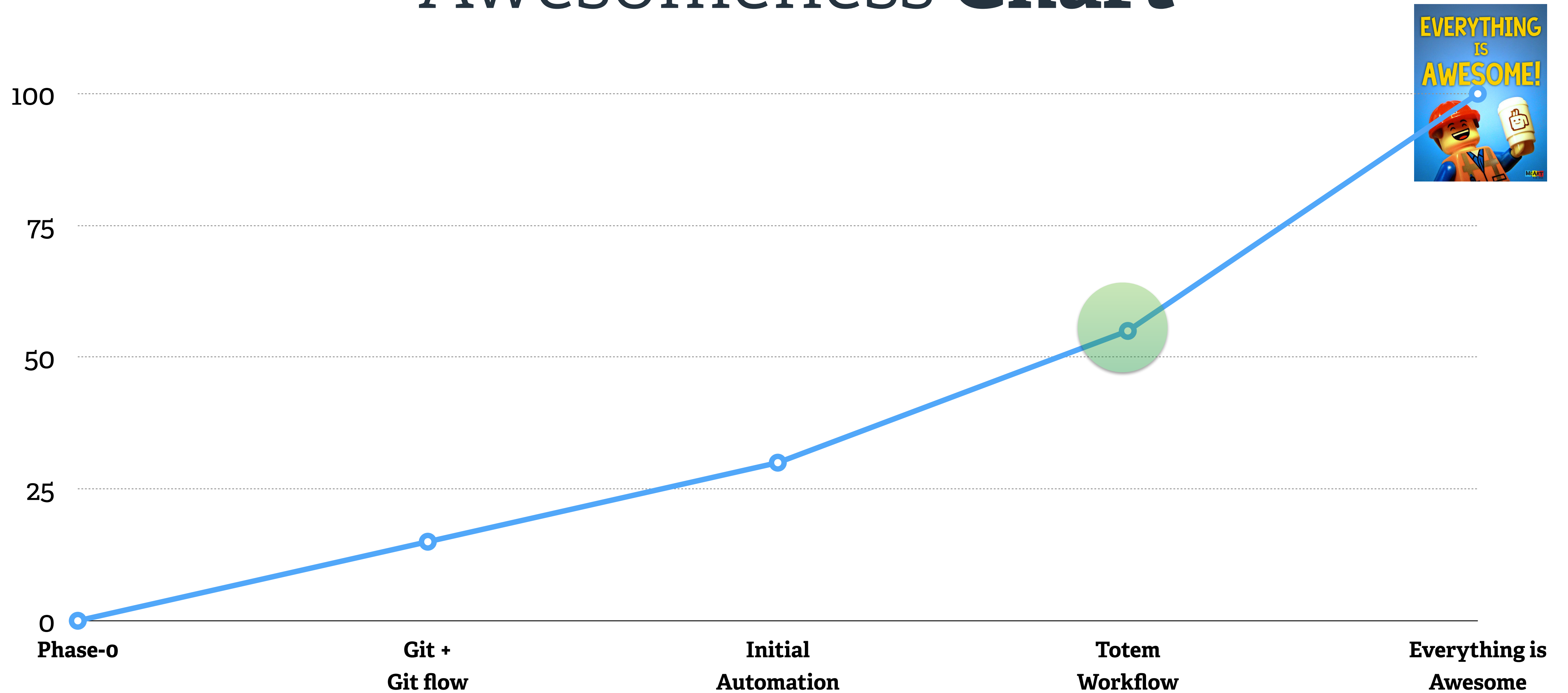
What have we built? (workflow)



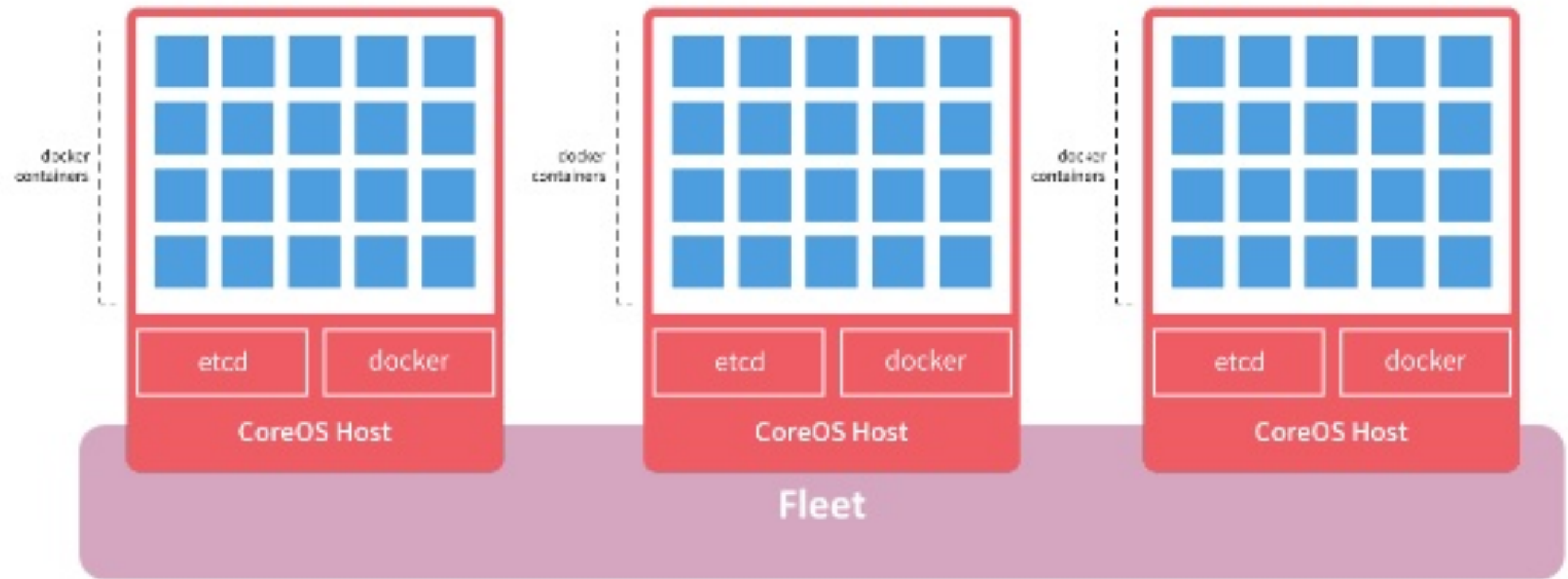
- ~~Test new version~~
- ~~Build new version~~
- ~~Deploy new version~~
- ~~Validate deploy~~
- ~~Route traffic to new version~~
- ~~Decommission old version~~



Awesomeness Chart



Time to scale



Cluster Manager using fleet

```
fleetctl start myapp@{1..3}.service
```



Proxy I will **Traffic you send**

Dynamic I am

Challenge me not...



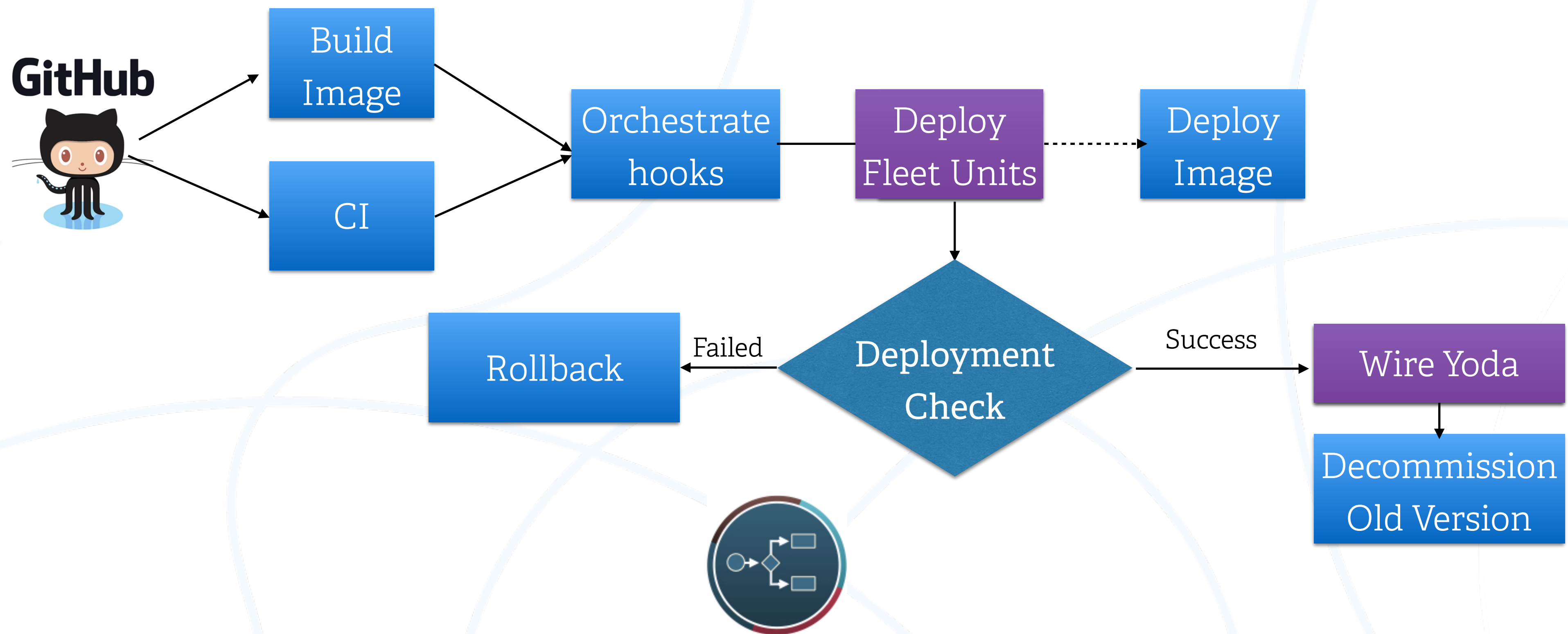
Available I am

For yoda, I am

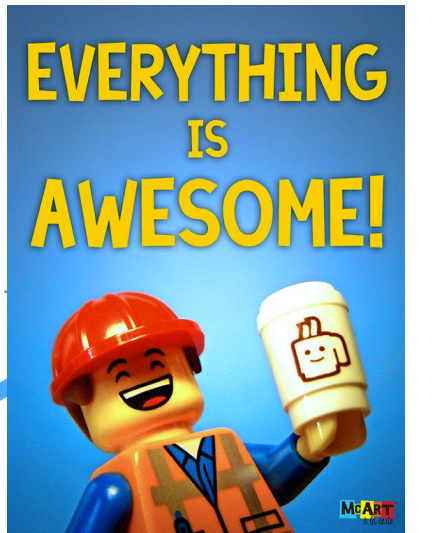
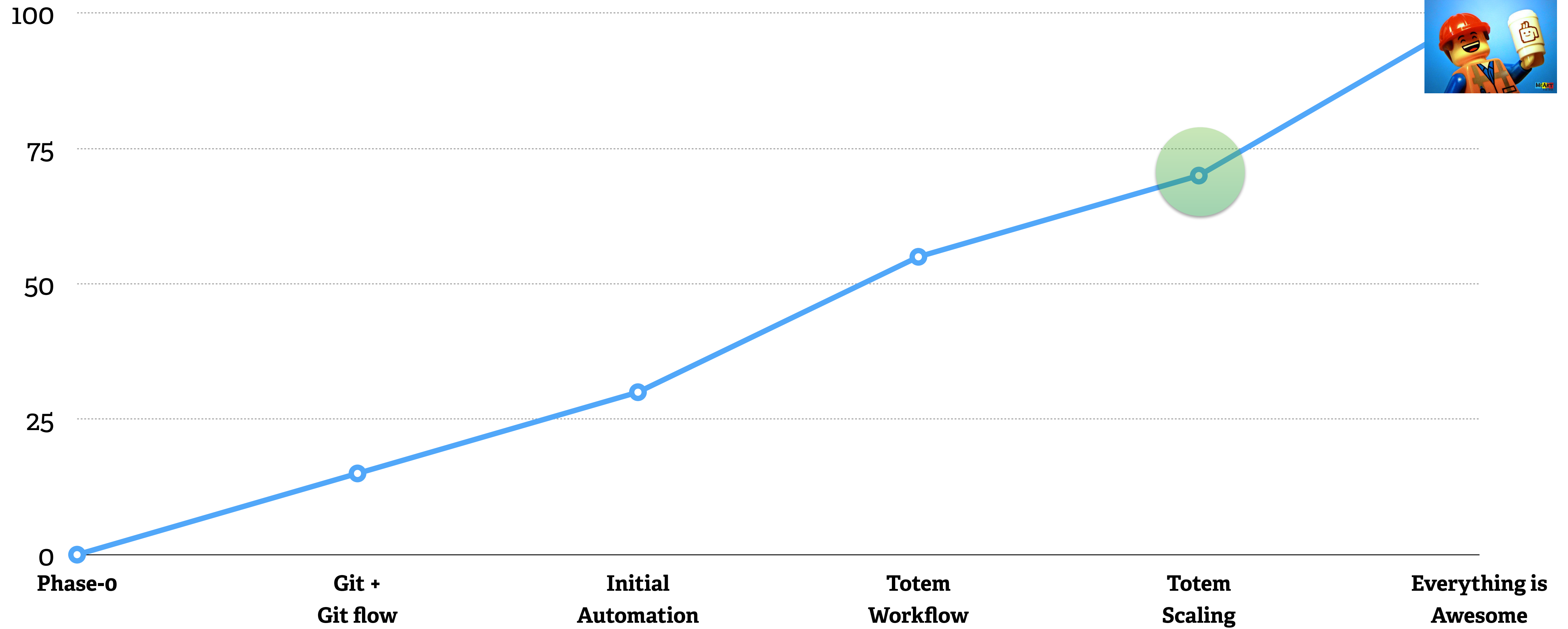
Yoda Proxy: Etcd backed haproxy



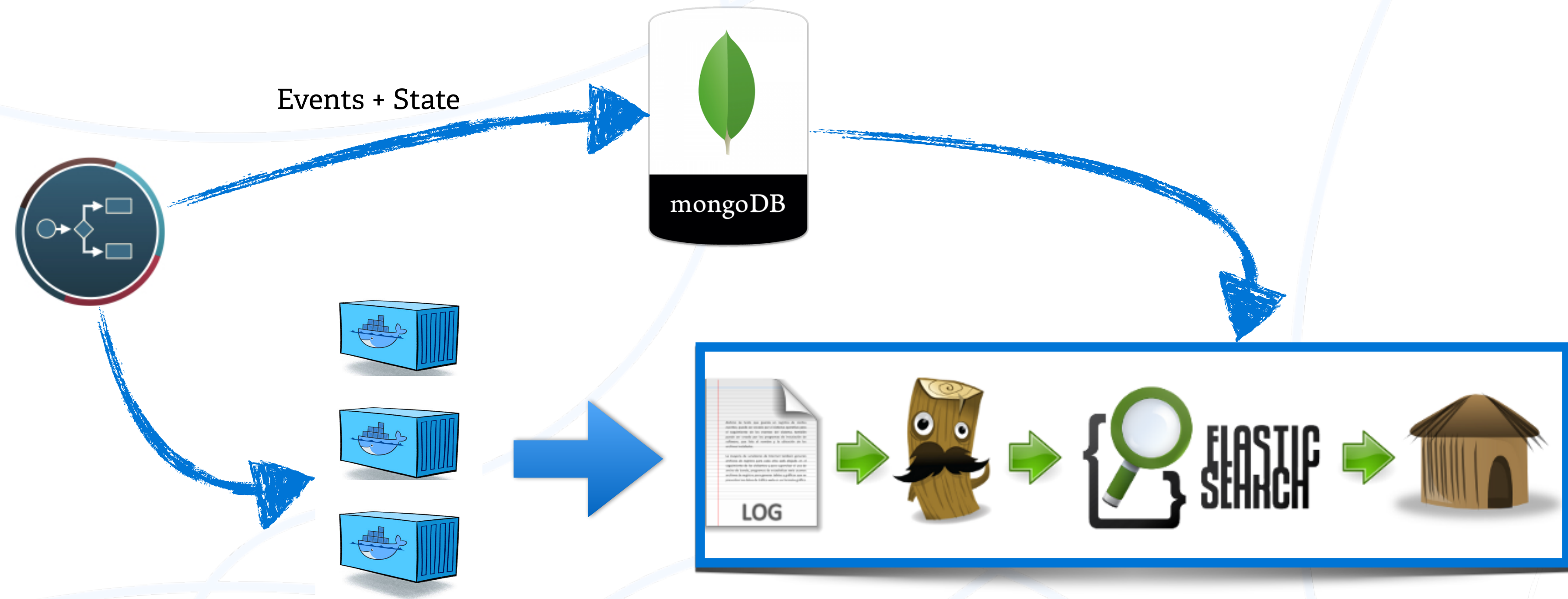
What have **we built**?



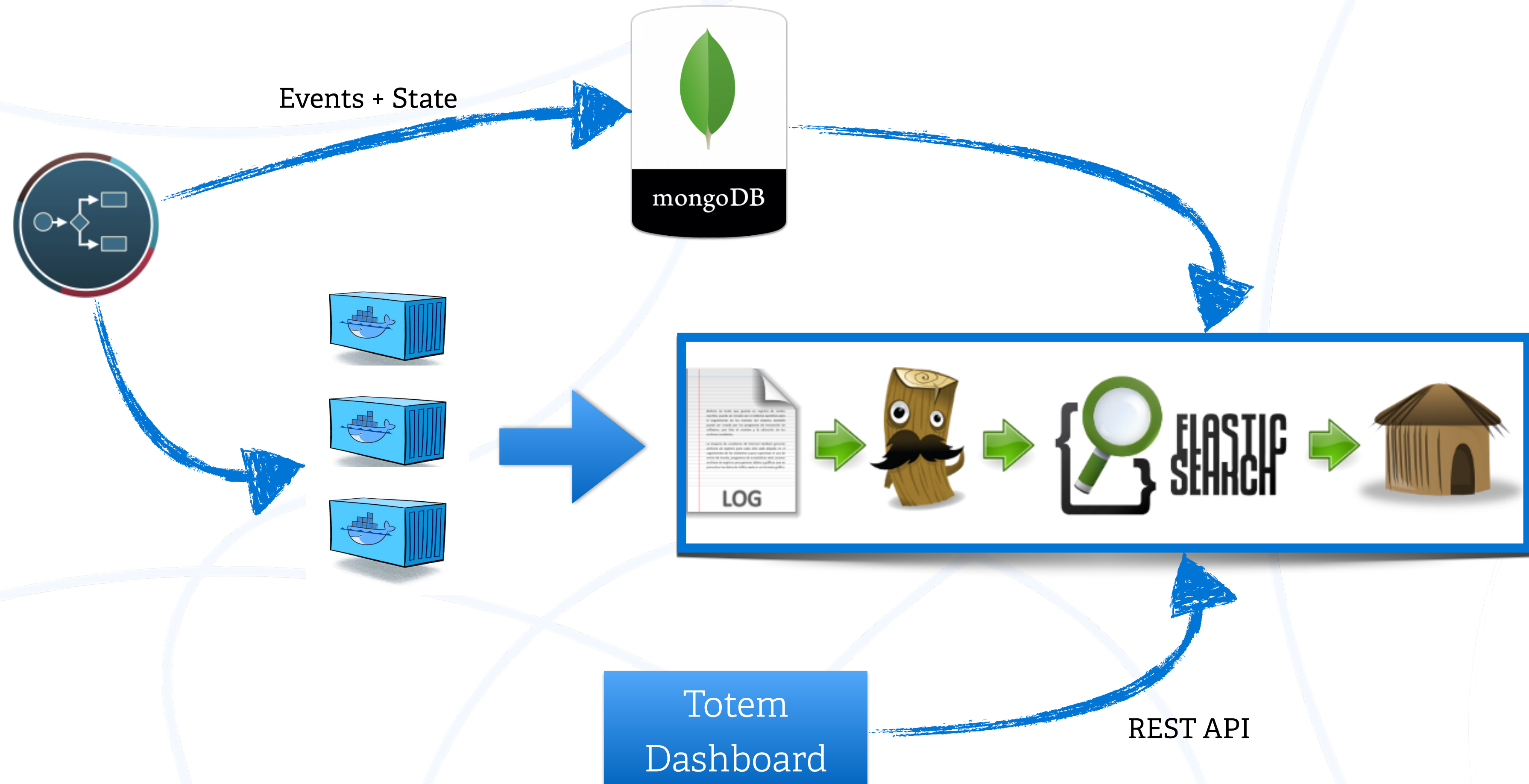
Awesomeness Chart



State of **my app**

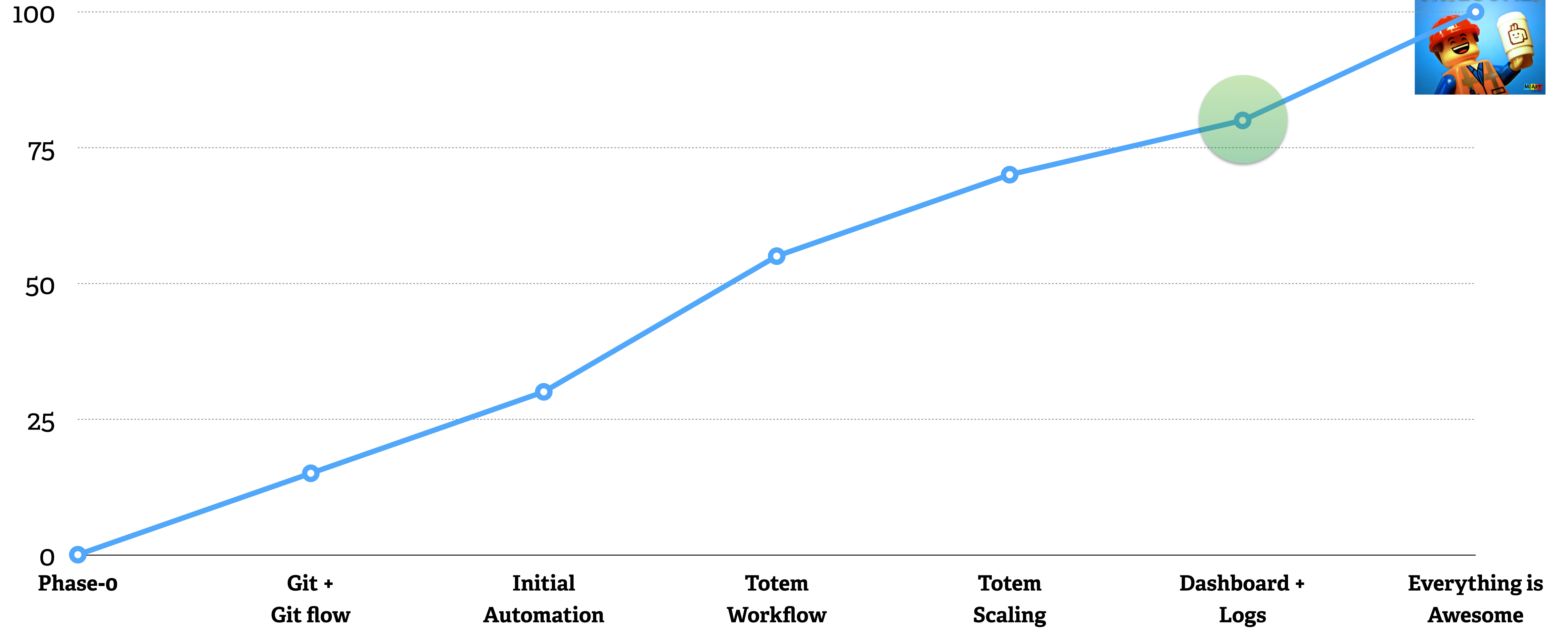


Dashboard





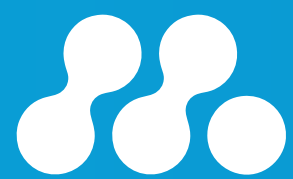
Awesomeness Chart





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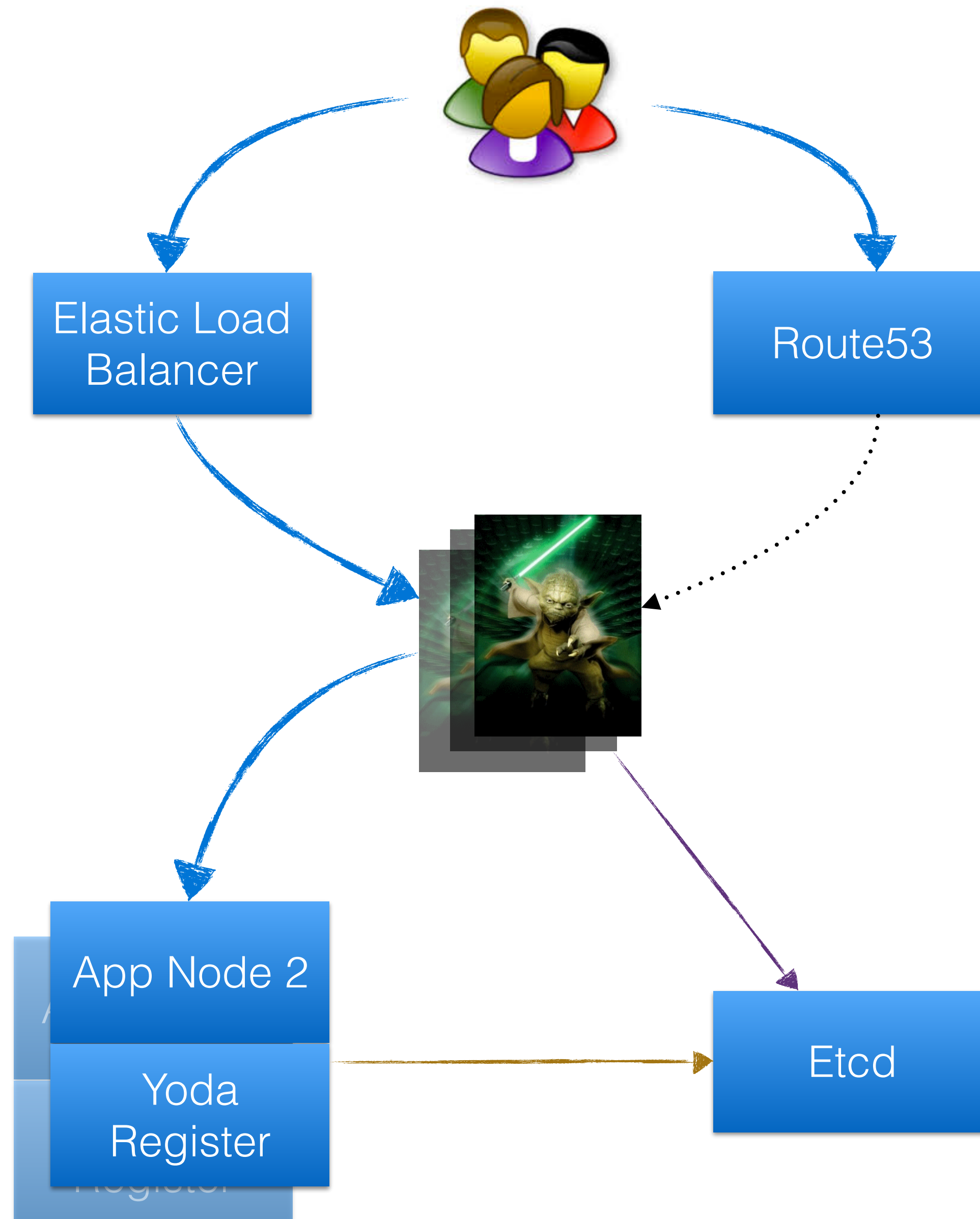
Don't tell me...
Show me!

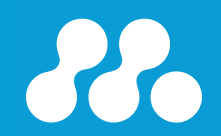


Let us Deploy
in EC2!



What are we deploying ?



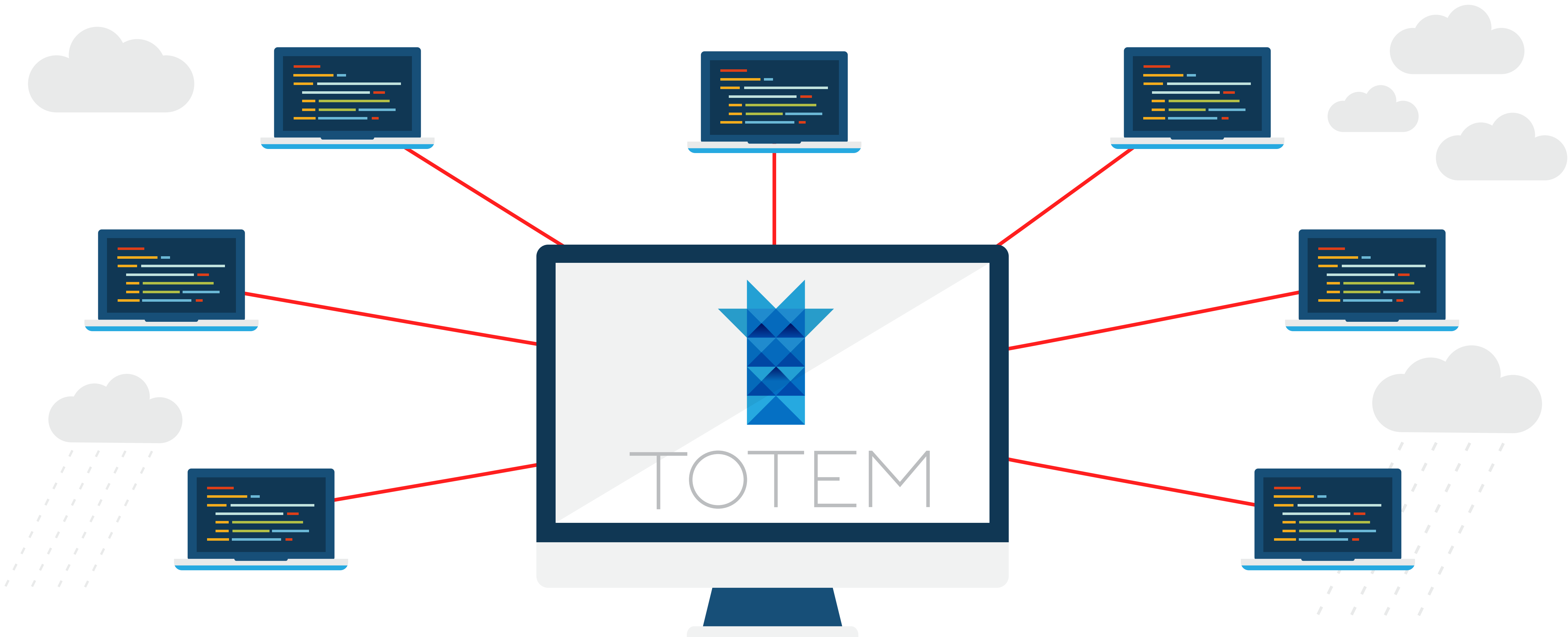




< /What's Next >



Totem for **Everyone**



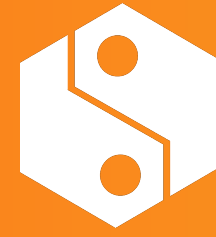


totem.github.io



We are getting there...
And so can you!



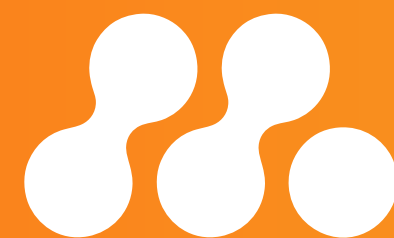


THANK YOU...WE'RE DONE FOR NOW

You must have some
questions, so ask away.



Sukrit Khera
sukrit.khera@meltmedia.com
[@sukrit007](https://twitter.com/sukrit007)



Anthony Garone
anthony@meltmedia.com
[@atgarone](https://twitter.com/atgarone)

