Concourse

Updates

08/09/2016

Etourneau Gwenn
@The_shinji62

About me

Etourneau Gwenn

Sr Solution Architect

Bef.: Platform Architect

Pivotal

Rakuten

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https://github.com/shinji62

Pivotal

Pivotal

Pivotal Labs

- Cloud Foundry
- Pivotal Tracker
- Gemfire
- Spring Framework
- RabbitMQ
- Concourse

Agenda

- Concourse
- Updates
- Q&A

Concourse

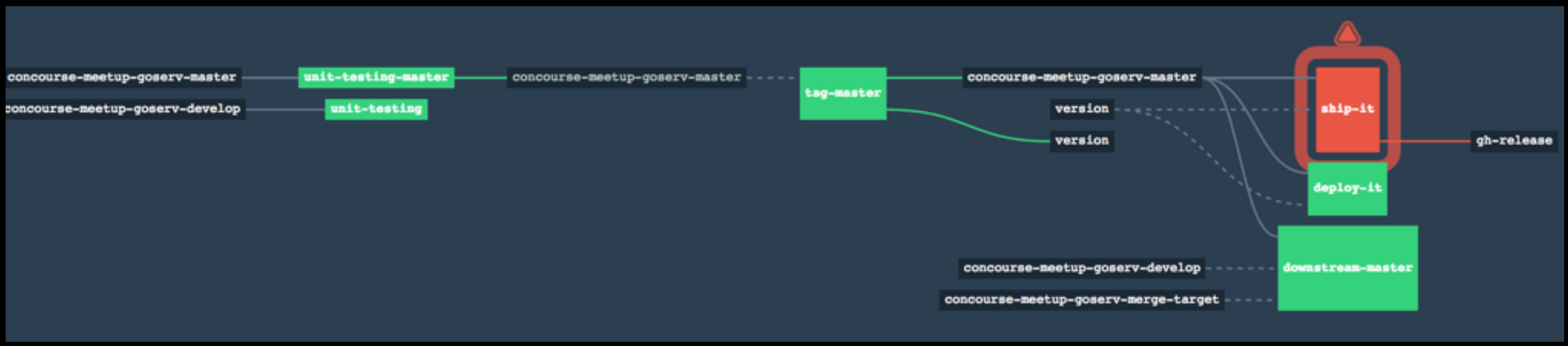
CI/CD that scales with your project

Pivotal

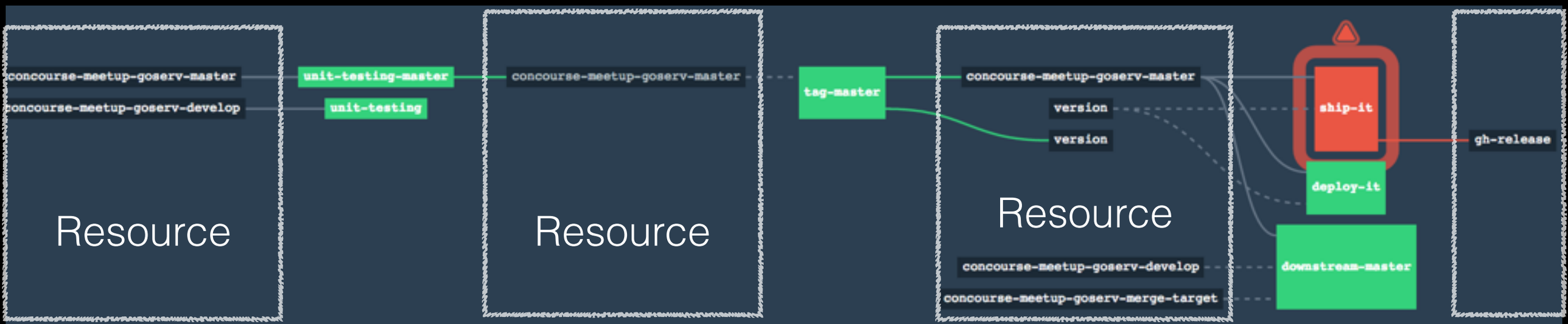
Concourse

- Pluggable Resource Interface
- Running builds in Containers Natively
- Zero Snowflake-able Configuration
- Submitting builds from the local file system up to run in CI
- Pipeline pipeline pipeline !!!
- Reproducible
- Multi-tenant

Concourse


concourse-meetup-goserv-master
concourse-meetup-goserv-develop
unit-testing-master
unit-testing
concourse-meetup-goserv-master
tag-master
concourse-meetup-goserv-master
version
version
ship-it
gh-release
deploy-it
concourse-meetup-goserv-develop
concourse-meetup-goserv-merge-target
downstream-master

Resource



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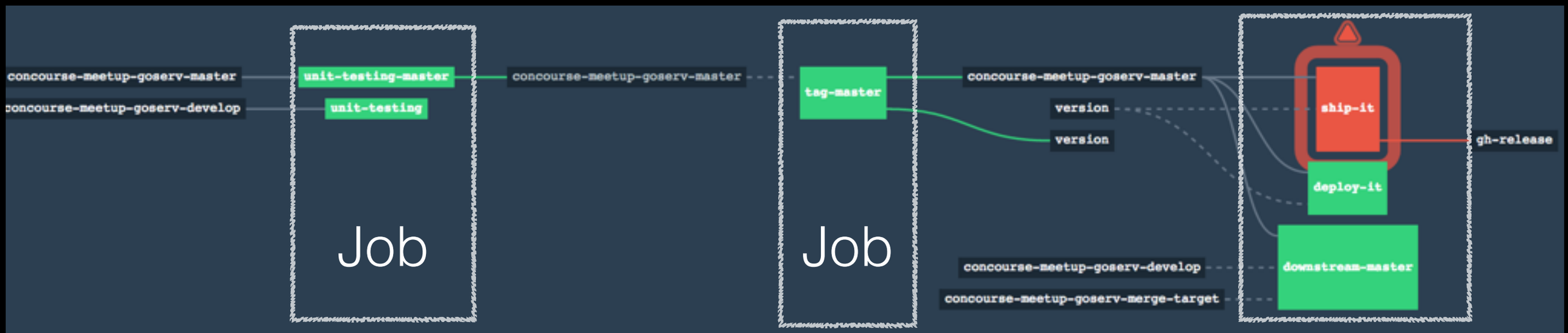
Job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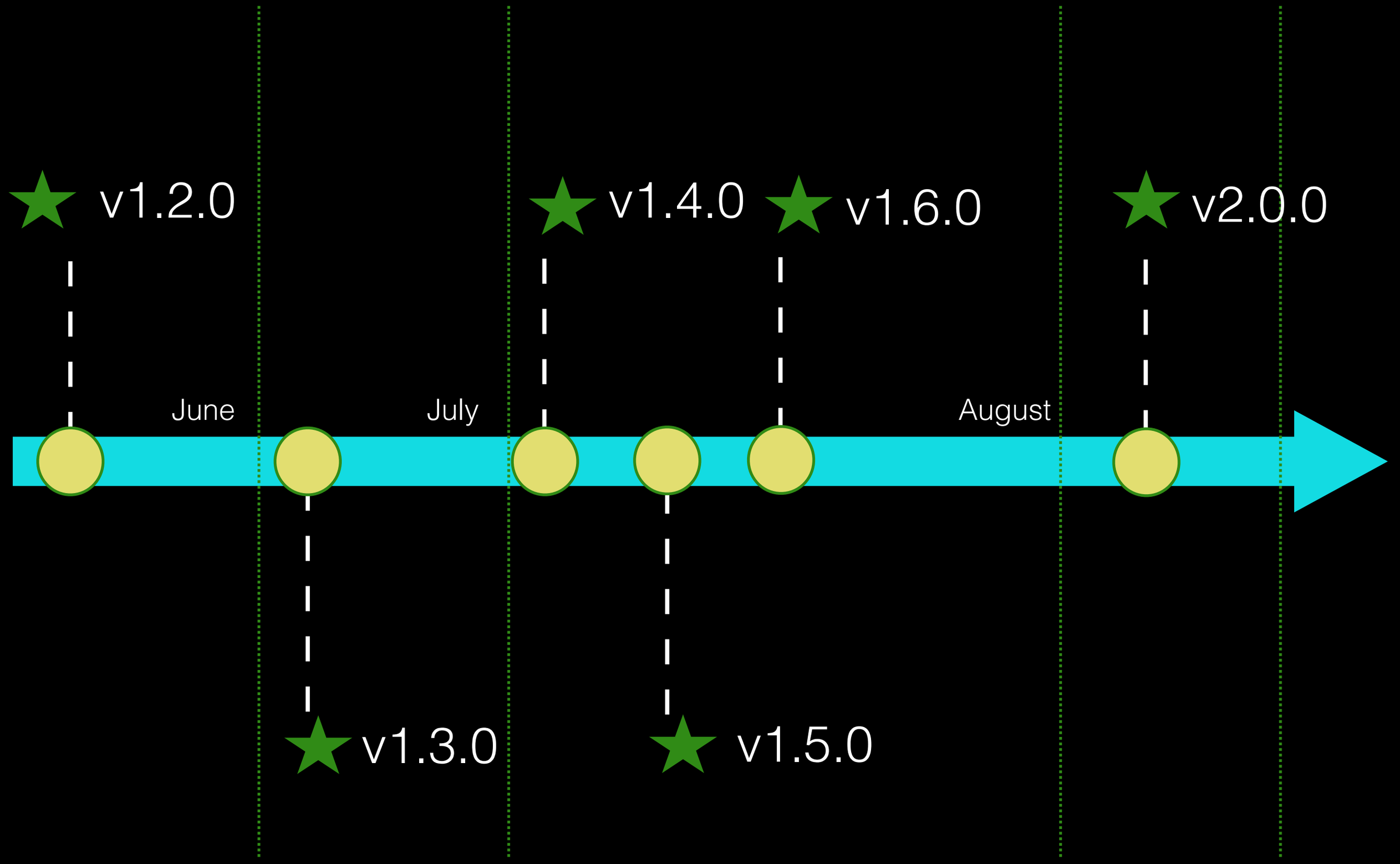
Job

Timelines !

Concourse Evolution


v1.2.0
June
July
v1.4.0
v1.6.0
August
v2.0.0
v1.3.0
v1.5.0

★ v1.2.0

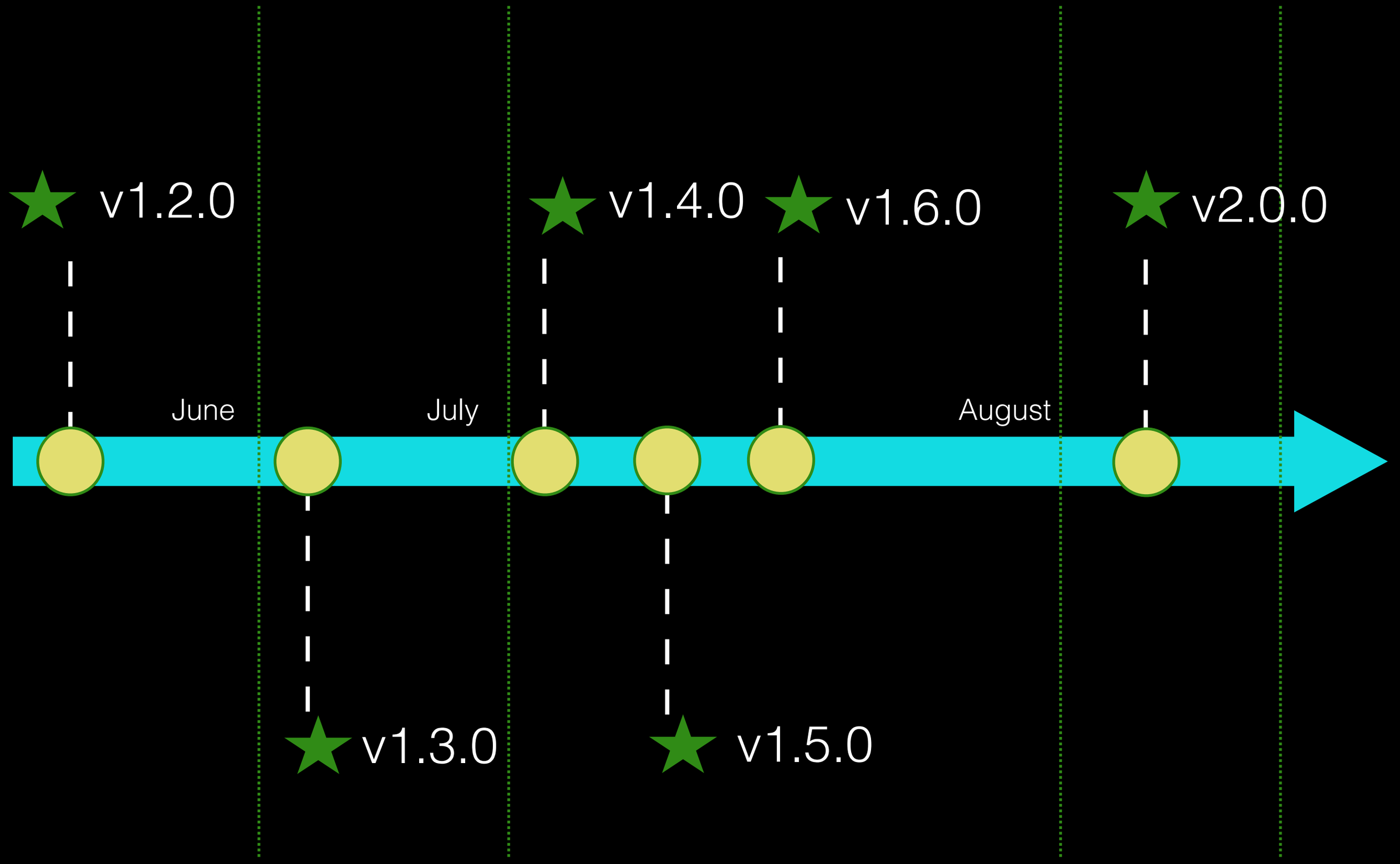
Check

- Can run for every request **not only** for **latest**
- Can **pin** for **specific version**

Fly

- check-resource

$ **fly** -t target **check-resource** -r pipeline/resource
-f tag:v4.2.1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v1.3.0

Core

- HTTP/2 Yes !
- TLS termination Yes !
- Garden-RunC instead of Garden backend Yes !
- moving to btrfs

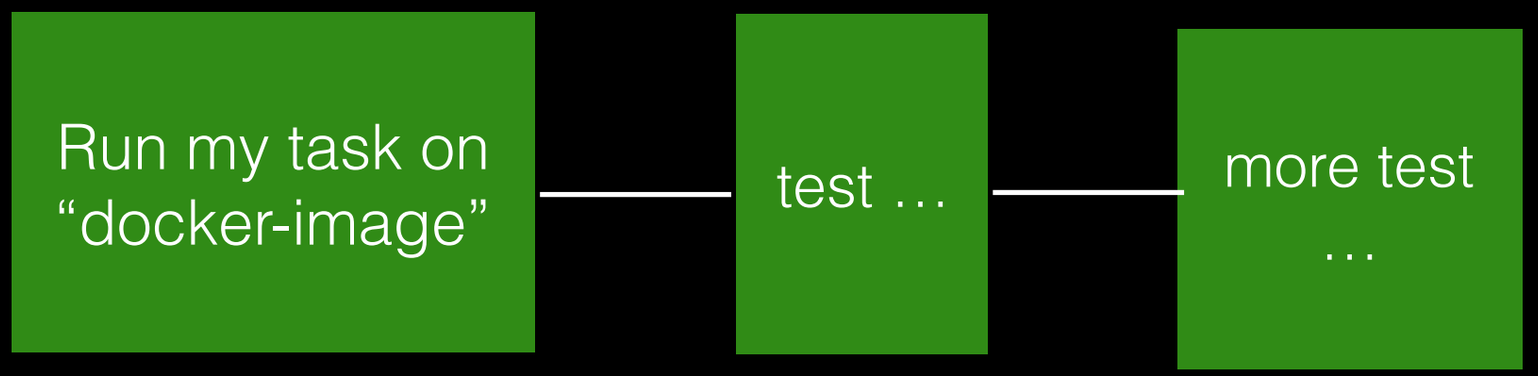
Jobs

- **builds_logs_to_retain,** specify how many build logs to keep for a job
- **build and test flow**

★ v1.3.0

Before

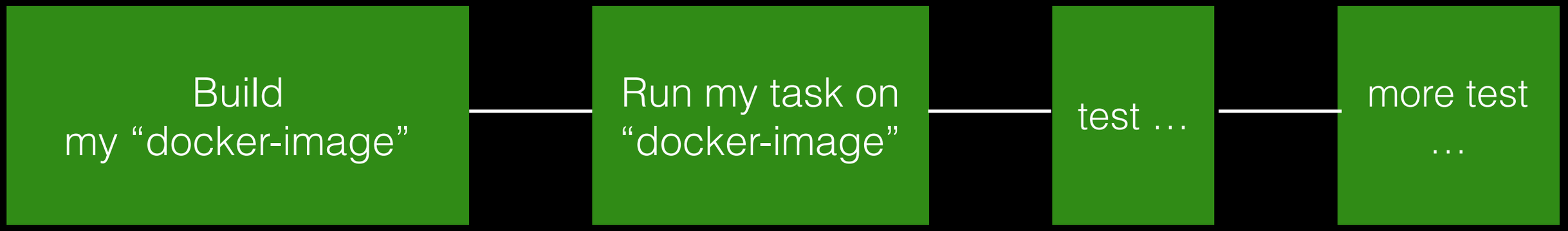
pipeline build-my-docker-image



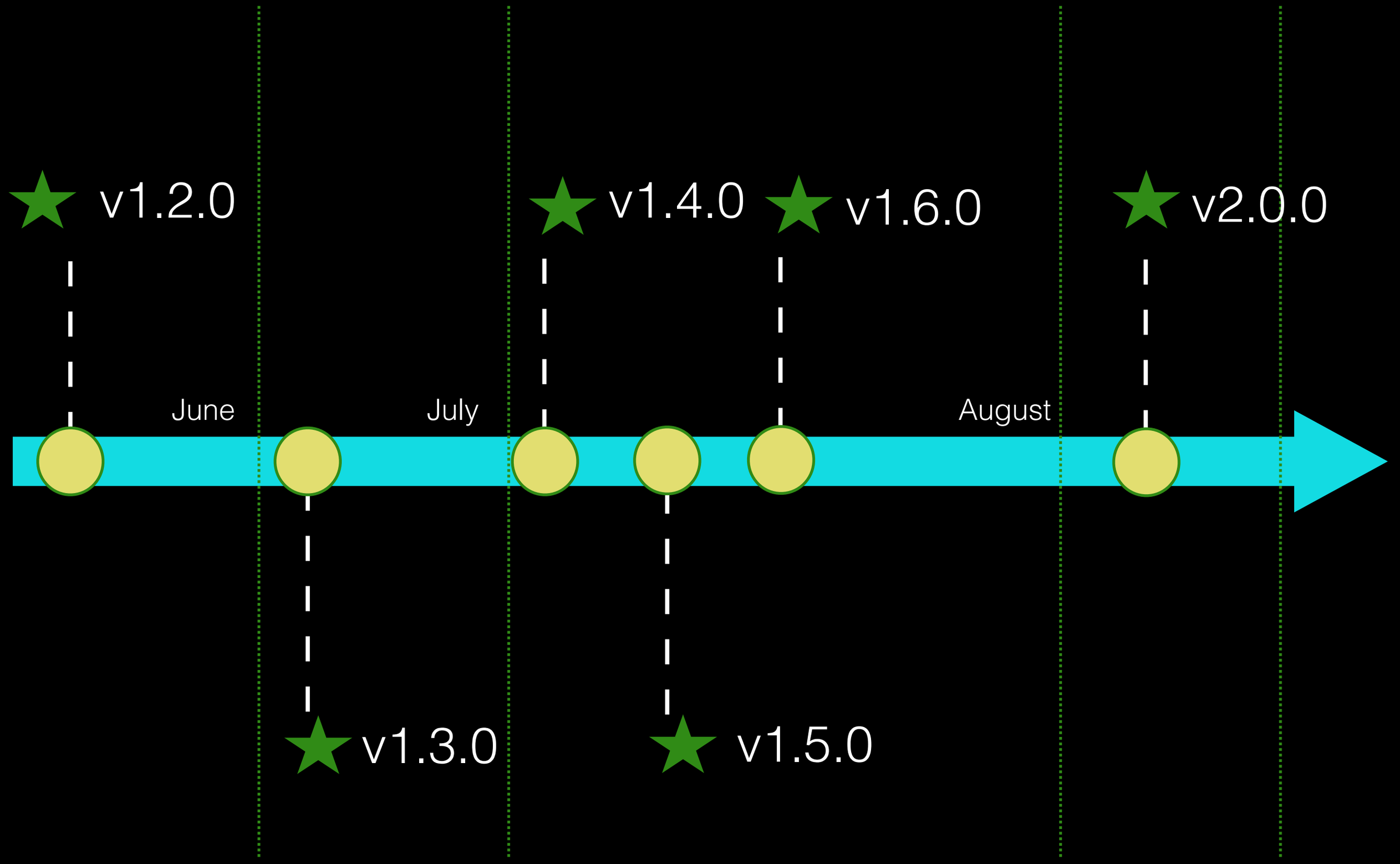
pipeline run-my-task

v1.3.0

Build and test flow



Same pipeline !!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★ v1.4.0

Core

- Container retention
  - Before keep failed 1 hour, succeeded 5 min
  - Now keep only last failed build

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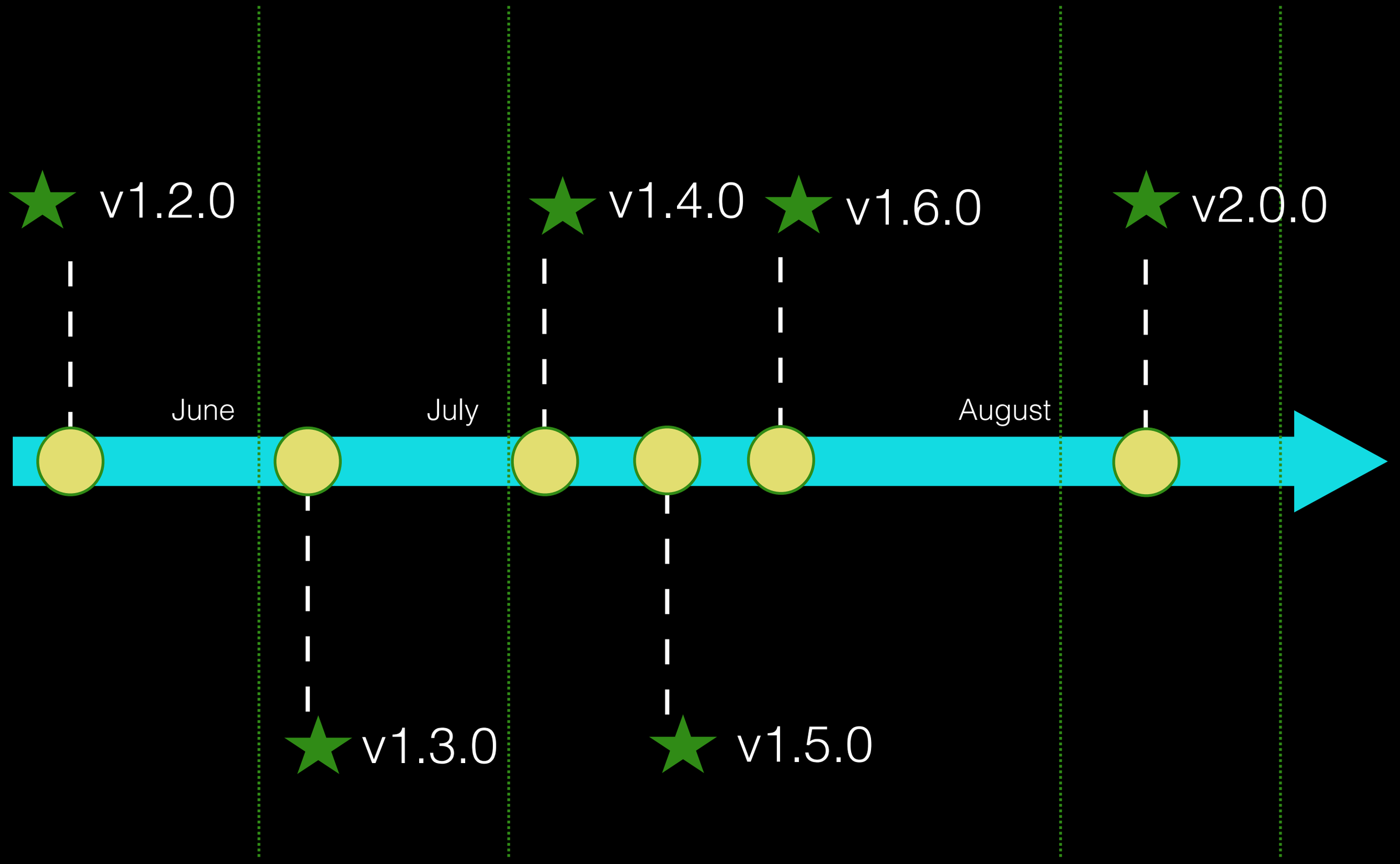
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v1.5.0

v1.5.0

Core

- Builds logs loading 12x faster
- Fetch 1 resource at time avoid CPU / Traffic overloading

v1.5.1

Task

- Can now specify which **user** to use **when running** using **“user”** property

v1.2.0

v1.4.0

v1.6.0

v2.0.0

June

July

August

v1.3.0

v1.5.0

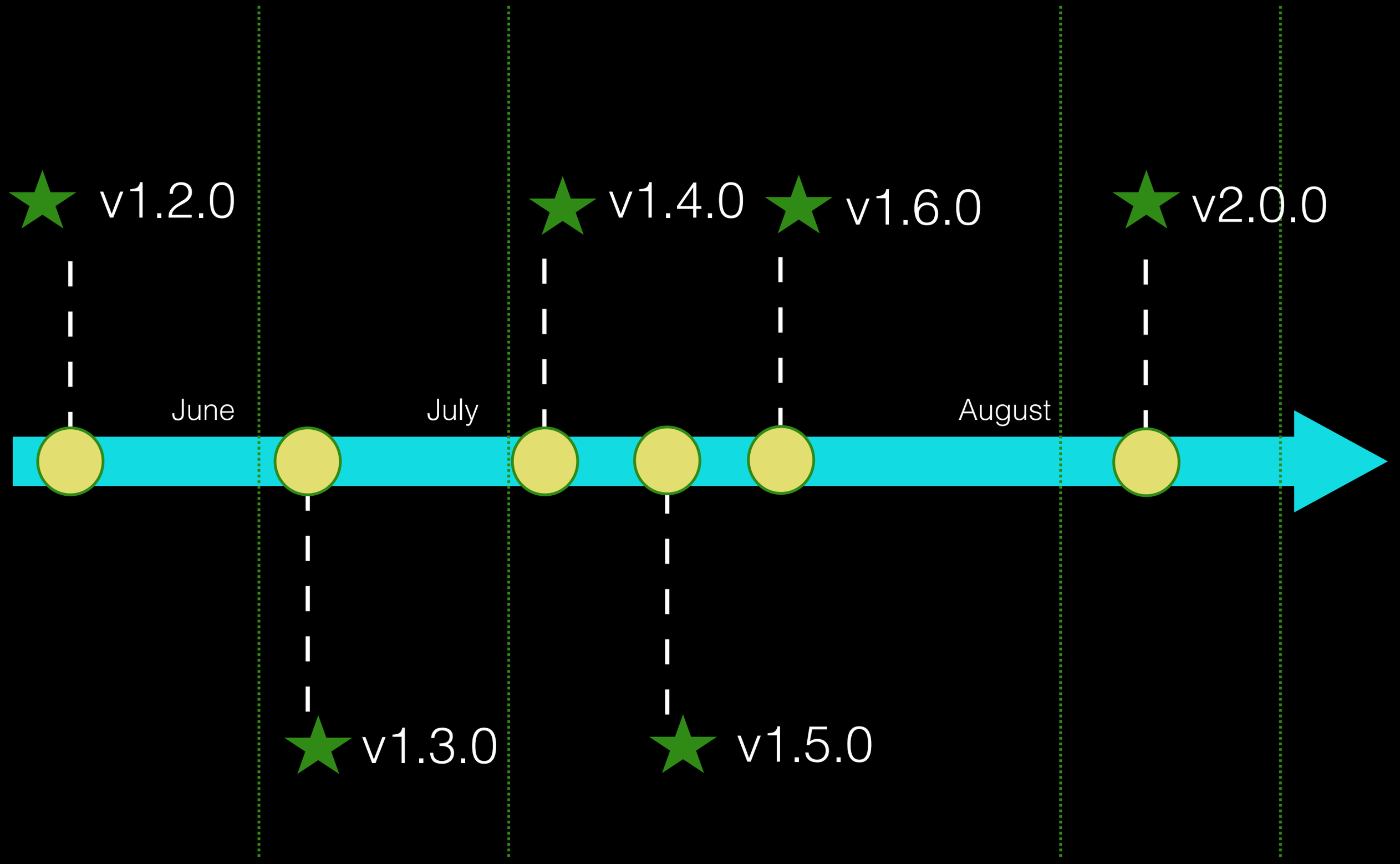
★ v1.6.0

Core

- Official Docker Images !!!!
  - Starting ConcourseCI **“docker-compose up”**

Docker-resource-image

- Support AWS “ECR”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TEAMS

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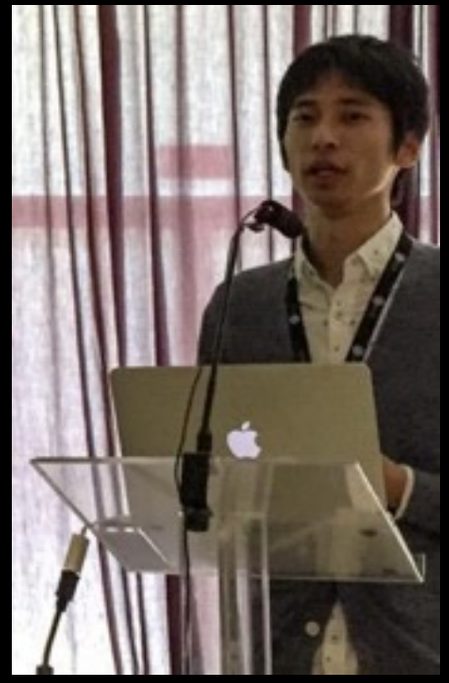
v2.0.0

Core

- Officials **Multi-tenant concept of team!**
  - Integrate with Github auth, UAA, basic auth



TEAM support in ConcourseCI

Demo

Online Resource

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Documentation

- Official documentation http://concourse.ci

Tutorials

- S&B https://github.com/starkandwayne/concourse-tutorial
- Flight-School http://concourse.ci/flight-school.html

Public Pipeline

- Buildpack
    - http://buildpacks-ci.cfapps.io/
- CF Release
    - https://runtime.ci.cf-app.com/pipelines/cf-release
- Bosh
    - https://main.bosh-ci.cf-app.com/
- Concourse
    - https://ci.concourse.ci/

Slack

http://concourseci.slack.com/

Q & A

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Thank You !!