



# Why Moving Fast Requires Focused Tools



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ETHAN ROGERS  
Senior Software Engineer  
@ethanfrogers

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# whoami

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- + Senior Software Engineer,  
Armory
- + Spinnaker Core Contributor
- + @e\_frogers - Twitter
- + @ethanfrogers - Slack/Github



# Overview

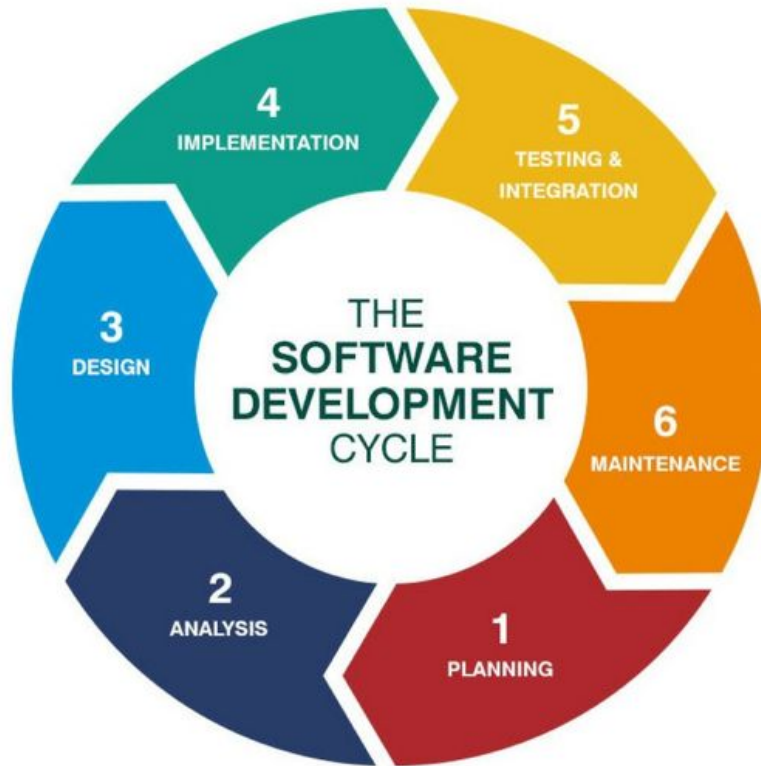
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- + Moving fast
- + What is Application Focused tooling?
- + Explore Application Focused tooling

# A Quick Survey

# Moving Fast

What and why



Synotive



# What is moving fast?

Moving fast is getting through the SDLC as quickly as possible.



**DevOps is the combination of cultural philosophies, practices, and tools that increases an organization's ability to deliver applications and services at high velocity: evolving and improving products at a faster pace than organizations using traditional software development and infrastructure management processes.**

<https://aws.amazon.com/devops/what-is-devops/>

# Why the business cares

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- + Competitive Advantage
- + Decreased time-to-value
- + Reduced Risk

# Why you care

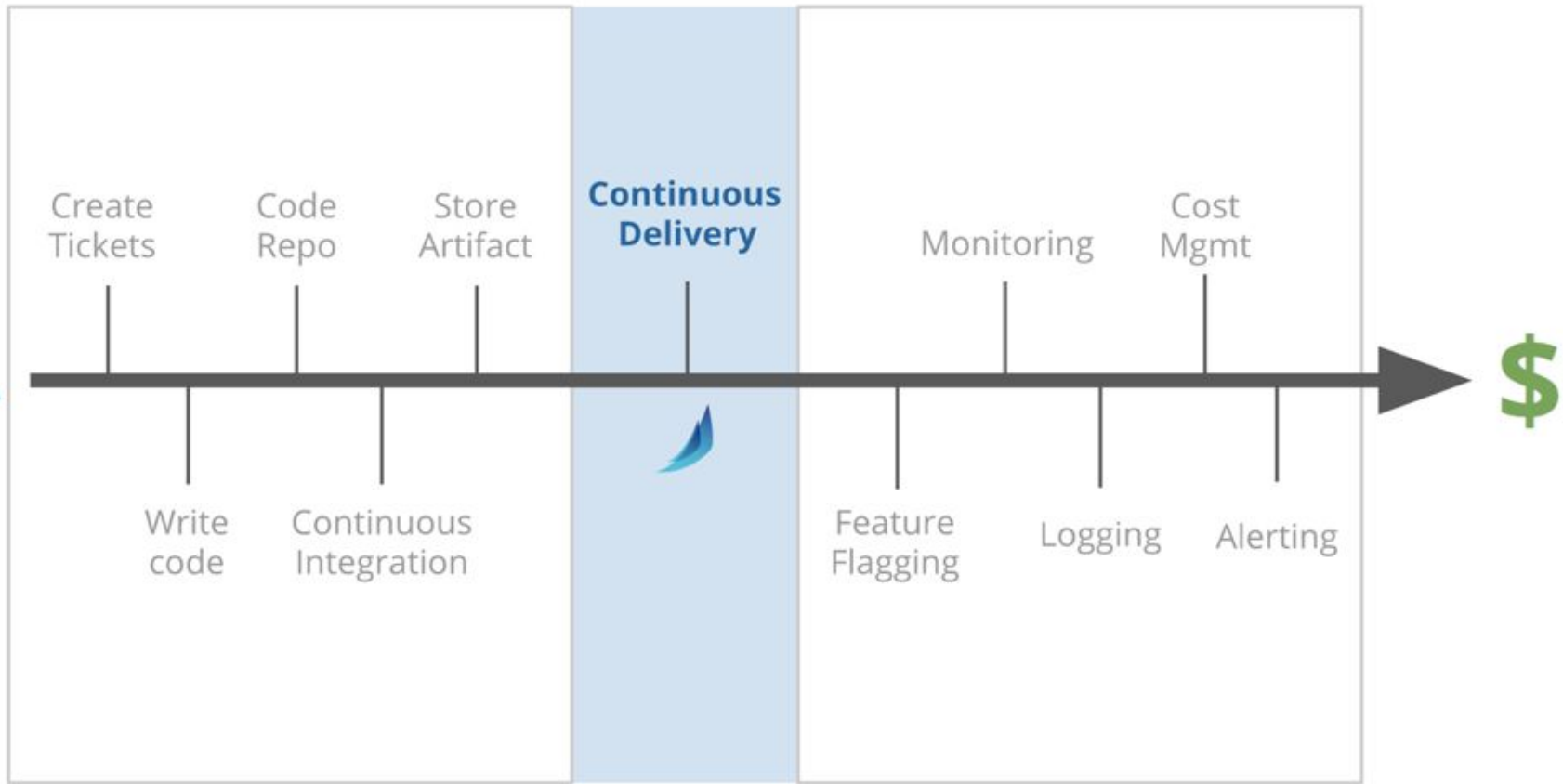
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- + Smaller feedback loops
- + Continued experimentation
- + Focused efforts

What can we do about it?

# Application Focused Tooling

IDEA



# Traditional tools

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- + Built for the monolith
- + Entire application runs on 1..N servers
- + Focused on single slices of the SDLC

# Focused tools

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- + Shift context
- + Reduce cognitive overhead
- + Holistic



Code

Issues 692

Pull requests 1

Projects 5

Wiki

Insights

Spinnaker is an open source, multi-cloud continuous delivery platform for releasing software changes with high velocity and confidence.

<http://www.spinnaker.io/>

continuous-delivery

continuous-deployment

spinnaker

1,787 commits

17 branches

108 releases

85 contributors

Apache-2.0

Branch: master

New pull request

Create new file

Upload files

Find file

Clone or download



skim1420 docs(misc) Adds approvers and reviewers list (#3376)

Latest commit 481a798 2 days ago

📁 .github	Update PULL_REQUEST_TEMPLATE.md	5 months ago
📁 cassandra	Remove references to deprecated rush service. (#942)	2 years ago
📁 codelabs	fix(codelab): use default cluster version (#3302)	19 days ago
📁 config	fix(provider/dcos): Fixup base and deck dcos config. (#1932)	a year ago
📁 consul	(consul) bootstrap script for starting consul (#1326)	2 years ago
📁 dev	fix(citest): Run hal deploy apply in a login shell (#3353)	8 days ago

## fix: update links in config file #3324

Edit



seanpeters86 wants to merge 1 commit into spinnaker:master from seanpeters86:patch-1

Conversation 0

Commits 1

Checks 0

Files changed 1

Changes from all commits

Jump to...

+9 -5

Diff settings

Review changes

14 config/spinnaker.yml

View



@@ -251,7 +251,7 @@ services:

```
251 251 providers:
252 252   aws:
253 253     # For more information on configuring Amazon Web Services (aws), see
254 254     - # http://www.spinnaker.io/v1.0/docs/target-deployment-setup#section-amazon-web-services-setup
255 255     + # https://www.spinnaker.io/setup/install/providers/aws/
256 256     enabled: ${SPINNAKER_AWS_ENABLED:false}
257 257     simpleDBEnabled: false
@@ -272,7 +272,8 @@ providers:
272 272
273 273   google:
274 274     # For more information on configuring Google Cloud Platform (google), see
275 275     # http://www.spinnaker.io/v1.0/docs/target-deployment-setup#section-google-cloud-platform-setup
```

# spinnaker / clouddriver build passing

[Current](#) [Branches](#) [Build History](#) [Pull Requests](#) > [Build #11205](#)

✓ Pull Request #2986 fix(core): Handle projects in "allowList" that may not actually exist

↳ Commit 9f7389e [id](#)

↳ #2986: fix(core): Handle projects in "allowList" that may not actually exist [id](#)

↳ Branch master [id](#)

👤 Adam Jordens

🟢 #11205 passed

🕒 Ran for 12 min 21 sec

🕒 about 15 hours ago

[Job log](#)

[View config](#)

```
> 1 Starting instance
> 2 Uploading script
> 12 Worker information
> 17 Build system information
```



 **ajordens** merged commit **b547e30** into `spinnaker:master` 14 hours ago

[Hide details](#)

[Revert](#)

1 check passed



`continuous-integration/travis-ci/pr` The Travis CI build passed

[Details](#)

## Infrastructure

CLUSTERS

LOAD BALANCERS

FIREWALLS

SEARCH 

ACCOUNT

kubernetes

REGION

sales-demo

STACK

(none)

DETAIL

(none)


STATUS

Healthy

Unhealthy


 Edit multiple Show  Instances  with details

 Create Server Group

**KUBERNETES**  deployment spinhelmdemo-dev-spin-helm-demo 1 ▲ : 100%

SALES-DEMO

 V001: ethanfrogers/spin-helm-demo:latest   1 ▲ : 100%

**KUBERNETES**  deployment spinhelmdemo-prod-spin-helm-demo 4 ▲ : 100%

SALES-DEMO

 V001: ethanfrogers/spin-helm-demo:latest  4 ▲ : 100%



DEFAULT-AWS-ACCOUNT

Deploy Internally (Made by di

**BUILD #2385**

**TRIGGERED BUILD**

armory/job/armoryspinnaker/job/mas

21 hours ago

STRAIGHT\_TO\_PROD: "No"

[Details](#)



Status: SUCCEEDED

**BUILD #2384**



Commits on Sep 26, 2018

**feat(provider/kubernetes): attach lb during deploy (#2988)**



lwander committed 30 minutes ago ✓

Success: The Travis CI build passed

**fix(provider/kubernetes): fix FCR for cluster-scoped resources w/ nam...** ...



lwander committed 2 hours ago ✓

## Annotation-Driven UI [↗](#)

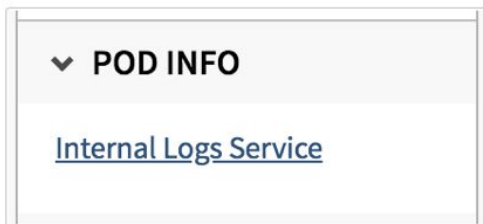
This guide describes how to surface information about your Kubernetes resources in Deck's details panel using Kubernetes annotations. These annotations can be text or HTML and can include templated values that are populated when the annotation is rendered by the browser.

### Example Usage [↗](#)

Here's a quick example of usage that will add a "Pod Info" section to the details panel for a pod:

```
kubectll annotate pod my-prod-pod-v000 \
  pod-info.details.html.spinnaker.io="<a href='https://internal-elk.net/{{ n
```

Here's how this annotation will render in Spinnaker's UI:



#### On This Page [↗](#)

Example Usage

Rendering Text Annotations

Rendering HTML

Using Templates

Instances

Load Balancers

Security Groups

Server Groups

Server Group Managers



# Build smarter tools

# THANK YOU



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**ETHAN ROGERS**  
Senior Community Engineer  
[@ethanfrogers](#)

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