



**DUBLIN**  
DRUPALCON

# **LET THE MACHINES DO THE WORK**

Dave Hall

DevOps



# JOIN US FOR CONTRIBUTION SPRINTS

**First Time Sprinter Workshop** - 9:00-12:00 - Room Wicklow2A

**Mentored Core Sprint** - 9:00-18:00 - Wicklow Hall 2B

**General Sprints** - 9:00 - 18:00 - Wicklow Hall 2A



## WHO AM I?

- ▶ Developer
- ▶ Sys Admin
- ▶ Trying to Automate Myself Out of a Job
- ▶ I could go on...





## DEAR LAWYERS

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# DEVOPS







Google



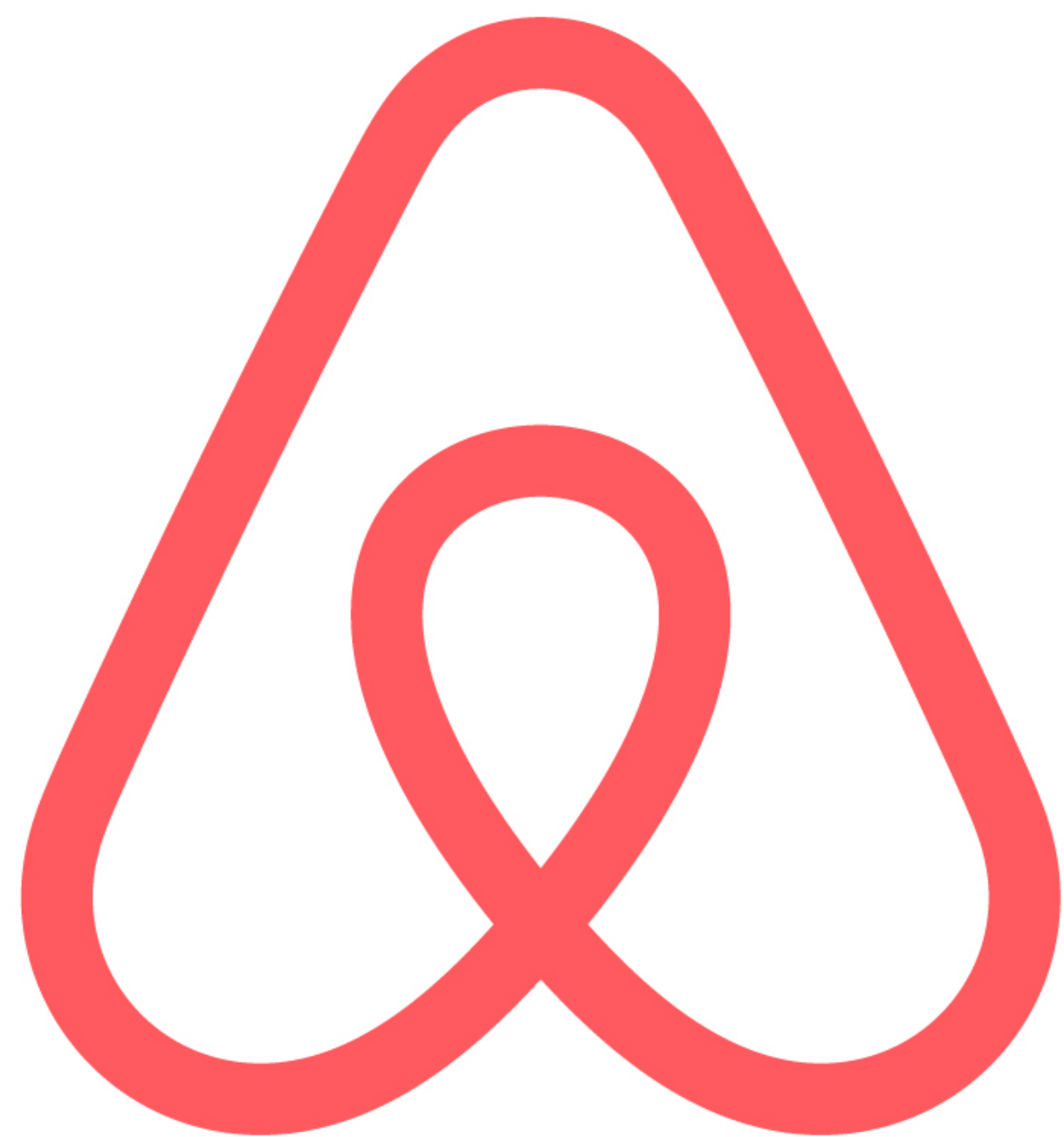
Etsy



**NETFLIX**







airbnb





**WHY AUTOMATE?**



COMPUTERS DON'T MAKE  
MISTAKES PEOPLE DO

DEVELOPERS



STEVE MCCONNELL, CODE COMPLETE

---

**10-50 DEFECTS  
PER 1000 LINES OF CODE**









**LET'S THINK**







**PRE COMMIT HOOK**





## PRE-COMMIT

---

```
#!/bin/sh
FILES="$(git diff --staged --name-only HEAD --diff-filter=ACMRUXB) "

echo "Running PHP lint check" >&2
LINT_FAIL=0
for filename in $FILES; do
    if ! php -l $filename; then
        LINT_FAIL=1
    fi
done;

# There is no point in running PHP Code Sniffer on broken files.
if [ $LINT_FAIL -gt 0 ]; then
    exit 1
fi

echo "Running PHP Code Sniffer Checks" >&2
echo $FILES | xargs phpcs --standard=Drupal
```

01:07 \$ █

|



PHPCBF

# PHP CODE BEAUTIFIER & FORMATTER

```
30 | ERROR | [x] Expected  
   |       |     "stringInstallationprofilerequiredfortest" but  
   |       |     found "string Installation profile required fo  
r  
   |       |     test." for @var tag in member variable comment  
183 | ERROR | [ ] Doc comment short description must be on a sin  
gle  
   |       |     line, further text should be a separate paragr  
aph
```

-----  
-----  
PHPCBF CAN FIX THE 2 MARKED SNIFF VIOLATIONS AUTOMATICALLY  
-----  
-----

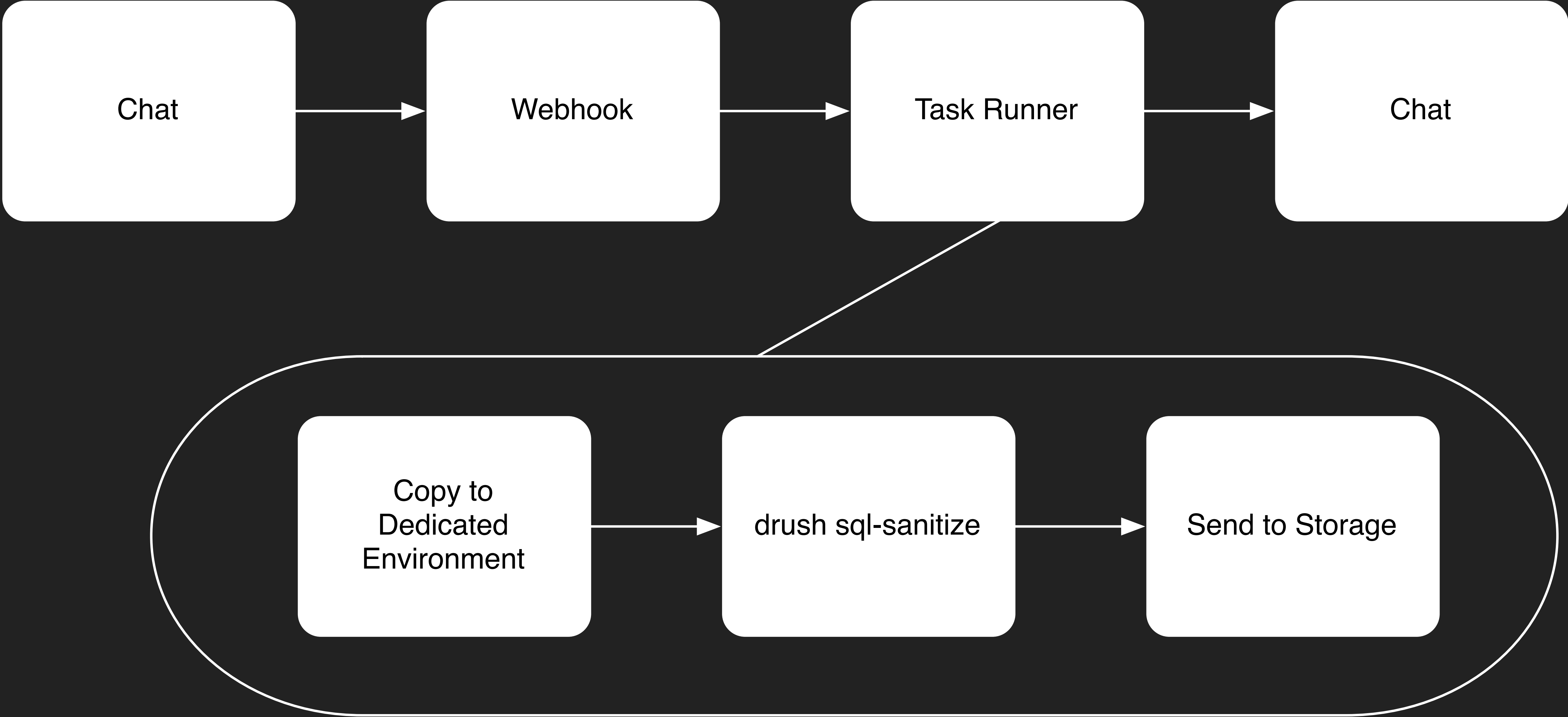
Time: 376ms; Memory: 10Mb

x-1 ~/Projects/drupalcon/fapi\_example [master L|●16]

01:08 \$



# **DATABASE SANITISATION**





Task Activity for db • drupalco

# db-requests | Dave Hall Consu

Dave

← → ↺

https://skwasht.slack.com/messages/db-requests/

☆ ⓘ 📎 📧 📅 ⋮

Dave Hall Cons...

● Dave Hall

CHANNELS (5)

🔒 bot-test-private

# db-requests

# general

# random

# website

DIRECT MESSAGES (4)

♥ slackbot

● Dave Hall (you)

○ juliet

○ The Bot

+ Invite people

#db-requests

1 member | Add a topic

📞 ⚙️ 📅

🔍 Search


@ ☆ 1

#db-requests

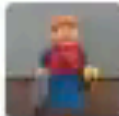
You created this channel today. This is the very beginning of the #db-requests channel. Purpose: Database dump requests (edit)

+ Add an app or custom integration   🧑 Invite others to this channel

Today

 Dave Hall 1:05 AM

joined #db-requests

 Dave Hall 1:05 AM

set the channel purpose: Database dump requests

+ Message #db-requests

😊

# DEPLOYMENT NOTIFICATIONS



MONITORING

Overview

Service maps

Transactions

Drupal

Modules

Hooks

Views

Databases

External services

EVENTS

Error analytics

Errors

Alerts

Deployments

App server historical average response time ( ms )

1000

800

600

400

200

0

10:20 AM

10:25 AM

10:30 AM

10:35 AM

10:40 AM

10:45 AM

Add to custom dashboards

Add to note

Embed

Today

Yesterday

Last week

☒ Compare with yesterday and last week

Transactions

App server time

Error rate

0.00 %

/Drupal\Core\Form\FormBuilder->renderPlace

1,260 ms

Transaction traces: n/a

/Drupal\system\Controller\TimezoneController

41.3 ms

Transaction traces: n/a

Automation Example (test)

557 ms

2.5 rpm

0.00 err%

Historical Apex score ?

0.5

0.25

0

10:20 AM

10:25 AM

10:30 AM

10:35 AM

10:40 AM

10:45 AM

Historical throughput ( rpm )

0.5

0.25

0

10:20 AM

10:25 AM

10:30 AM

10:35 AM

10:40 AM

10:45 AM

Member of policy Default application alert policy

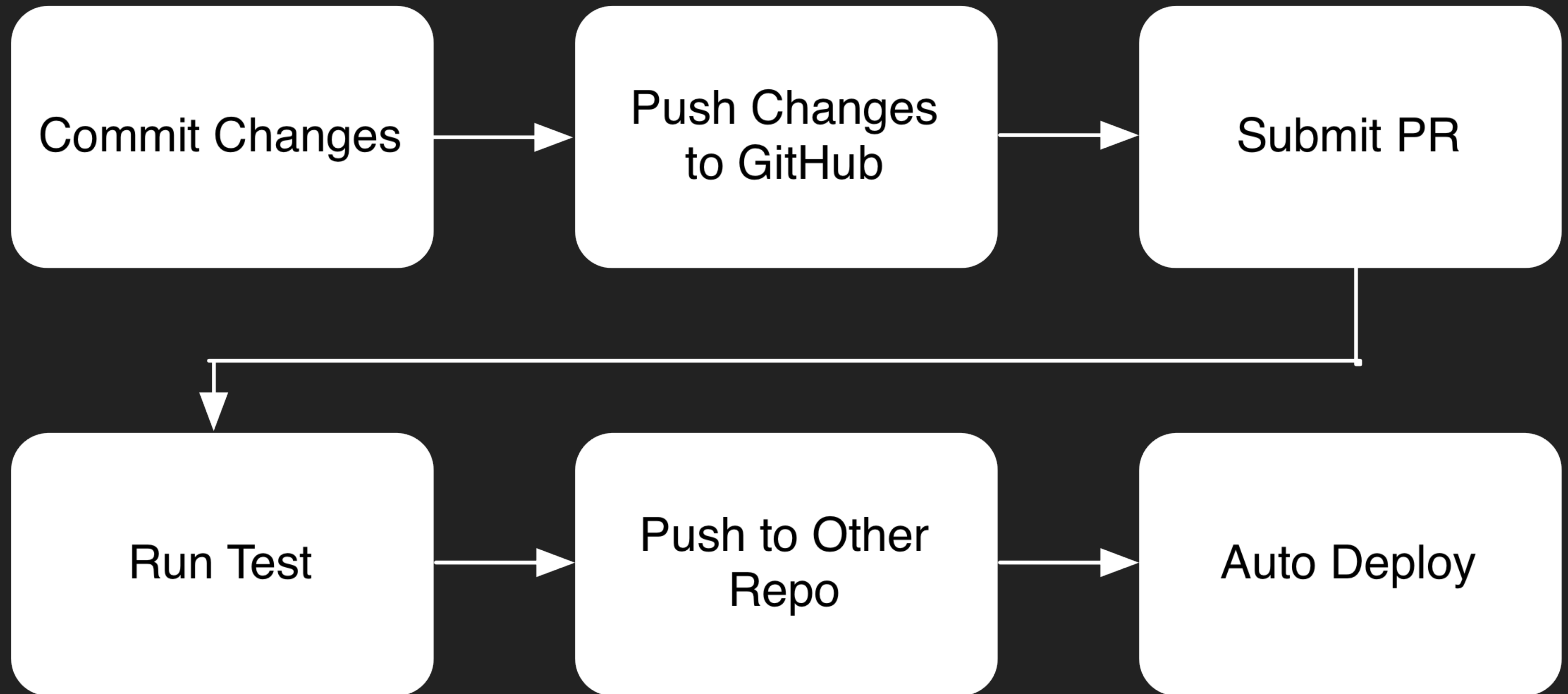
Recent events

No Events in The Last 3 Days.

```
$curl = 'curl -H "x-api-key:'. $data['api_key'] .'";  
$curl .= ' -d "deployment[application_id]=' .  
$data['app_name'] .'";  
$curl .= ' -d "deployment[description]= ' .  
$description .'";  
$curl .= ' -d "deployment[revision]='. $revision .'";  
$curl .= ' -d "deployment[changelog]='. $changelog .'";  
$curl .= ' -d "deployment[user]='. $user .'";  
$curl .= ' https://api.newrelic.com/deployments.xml';  
echo "Logging deployment in New Relic...\n";  
passthru($curl);  
echo "Done!";
```

**2 REPO DEPLOYMENTS**





Log in



DrupalCon Demo

Home

Search



## Welcome to DrupalCon Demo

No front page content has been created yet.



Contact

Powered by [Drupal](#)



Builds » davehallconsulting » demo-site » master

Project Settings

By Repo ▾

MineAll

> davehallconsulting/demo-site

SUCCESS	#47	Fix config import	5 min ago	03:40	3be6093
SUCCESS	#46	Update site title	11 min ago	04:11	bc887dd
SUCCESS	#45	Create junit path	16 min ago	04:12	80e29f1
SUCCESS	#44	Fix junit path	20 min ago	04:30	258f34f
SUCCESS	#43	Fix junit path	24 min ago	04:18	9c72b4a
FIXED	#42	Really use junit format	33 min ago	03:55	37d309f
FAILED	#41	Output junit format	37 min ago	02:21	231f4cf
rebuild					
FIXED	#40	Fix test step	59 min ago	04:10	5218c41
FAILED	#39	Tweak test step	1 hr ago	00:50	43fc8a5
rebuild					
SUCCESS	#38	Export config	1 hr ago		f514935

Builds

Insights

Add Projects

Team

Account Settings

Docs

Support

Changelog

Logout

Welcome to DrupalCon Demo

CircleCI

Platform.sh

Dave

https://circleci.com/gh/davehallconsulting/demo-site/tree/master

Builds » davehallconsulting » demo-site » master

Project Settings

By Repo ▾

MineAll

&gt; davehallconsulting/demo-site

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ITERATE





**THANKS**





MEET THE  
FEEBLES





**DUBLIN**  
DRUPALCON

# WHAT DID YOU THINK?

Evaluate This Session

[events.drupal.org/dublin2016/schedule](https://events.drupal.org/dublin2016/schedule)

THANK YOU!





QUESTIONS?

**@SKWASHD**

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**<http://bit.ly/2cHIKwV>**