

Testing Pull Requests With Concourse

Friday, April 20



All checks have passed

1 successful check

[Hide all checks](#)



concourse-ci/status — Concourse CI build success

[Details](#)



This branch has no conflicts with the base branch

Merging can be performed automatically.

Merge pull request



You can also [open this in GitHub Desktop](#) or view [command line instructions](#).



All checks have passed

1 successful check

- It's already likely that you're using Concourse for testing or deploying to various lifecycles
- Either add the ability to test pull requests into existing pipelines, or create your own
- We'll talk about adding PR testing functionality to an existing pipeline

Let's *Git* Setup, *Shell* We?

`https://bit.ly/2HcgnnJ`

Concourse & Pull Requests

Links & Commands

URLS

- GitHub Repository: <https://github.com/starkandwayne/cfna2018-app>
- GitHub Create Personal Token: <https://github.com/settings/tokens/new>
- Concourse: <http://ci.system.cfna2018.starkandwayne.com>

Let's *Git* Setup, *Shell* We?

pr-lab1.cfna2018.starkandwayne.com

cfna2018

```
David@10.200.0.144 ~
→ ssh cfdev1@pr-lab.cfna2018.starkandwayne.com
Unauthorized use is strictly prohibited. All access and activity
is subject to logging and monitoring.
cfdev1@pr-lab.cfna2018.starkandwayne.com's password:
Welcome to Ubuntu 14.04.5 LTS (GNU/Linux 4.4.0-119-generic x86_64)

* Documentation:  https://help.ubuntu.com/
nil

Last login: Fri Apr 13 22:34:38 UTC 2018 from 71.186.231.155 on pts/0
Last login: Fri Apr 13 22:35:53 2018 from 71.186.231.155
==[]=[ 22:35:53 ]=[ pr-lab-jumpbox jumpbox/0 ]=[ ~ ]=[]==
$
```

Let's *Git* Setup, *Shell* We?

ci

cfna2018



git

test

git

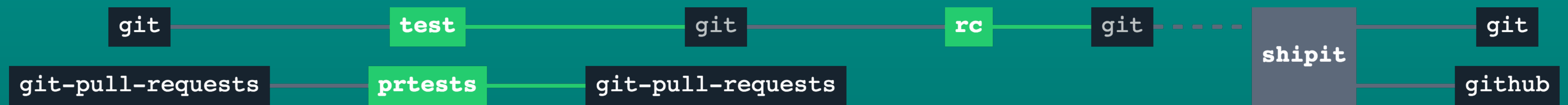
rc

git

shipit

git

github




```
1  resource_types:
2  |  ..- name: pull-request
3  |  |  ..type: docker-image
4  |  |  |  ..source:
5  |  |  |  |  ..repository: jtarchie/pr
```

```
1  resources:
2  |  ..- name: git-pull-requests
3  |  |  |  ..type: pull-request
4  |  |  |  ..source:
5  |  |  |  |  |  ..repo: (( concat meta.github.owner "/" meta.github.repo ))
6  |  |  |  |  |  ..access_token: (( grab meta.github.access_token ))
```

```

1  -- name: prtests
2  -- plan:
3  -- -- get: git-pull-requests
4  -- -- trigger: true
5  -- -- version: every
6  -- -- params:
7  -- -- path: git-pull-requests
8  -- -- status: pending

```

```

25 -- on_success:
26 -- -- put: git-pull-requests
27 -- -- params:
28 -- -- path: git-pull-requests
29 -- -- status: success
30 -- on_failure:
31 -- -- put: git-pull-requests
32 -- -- params:
33 -- -- path: git-pull-requests
34 -- -- status: failure

```

```

1  -- name: prtests
2  -- plan:
3  -- -- get: git-pull-requests
4  -- -- trigger: true
5  -- -- version: every
6  -- -- params:
7  -- -- path: git-pull-requests
8  -- -- status: pending
9  -- -- task: test
10 -- -- config:
11 -- -- platform: linux
12 -- -- image_resource:
13 -- -- type: docker-image
14 -- -- source:
15 -- -- repository: (( grab meta.image.name ))
16 -- -- tag: (( grab meta.image.tag ))
17 -- -- inputs:
18 -- -- -- name: git-pull-requests
19 -- -- -- path: code
20 -- -- run:
21 -- -- path: ./code/ci/scripts/test
22 -- -- args: []
23 -- -- params:
24 -- -- MODULE: (( grab meta.go.module ))
25 -- -- on_success:
26 -- -- -- put: git-pull-requests
27 -- -- -- params:
28 -- -- -- path: git-pull-requests
29 -- -- -- status: success
30 -- -- on_failure:
31 -- -- -- put: git-pull-requests
32 -- -- -- params:
33 -- -- -- path: git-pull-requests
34 -- -- -- status: failure
35

```



STARK & WAYNE