

Continuous Deployment

for Perl projects



git

use lots of topic branches

```
$ git branch
```

```
origin/HEAD -> origin/master  
origin/admin_tools  
origin/affiliate_tracking  
origin/bugfix  
origin/dyndns  
origin/handle_migrate  
origin/login_split_testing  
origin/master  
origin/oauth  
origin/user_prefs_handling  
origin/voucher_codes  
...
```

master is king

post commit hooks

Options

Teams

Service Hooks

Deploy Keys

AVAILABLE SERVICE HOOKS

Post-Receive URLs (1)

ActiveCollab	●
Acunote	●
AgileZen	●
AMQP	●
AppHarbor	●
Bamboo	●
Bitbucket	●

Post-Receive URLs

URL (remove)

http://postcommit.springtimesoft.com/adc

[Add another post-receive URL](#)

Test Ho

run anything on commit

<https://github.com/norbu09/githublicious>

githubblicious

mojolicious app

extend it with plugins

currently supports: Jenkins

recent commits

commit in [hase](#)

Tobias Kirschstein: [CHANGED] create weekly statements instead of fortnightly due to hitting the 1000 entry limit already

commit in [githublicious](#)

Lenz Gschwendtner: remove too much obfuscation

commit in [githublicious](#)

Lenz Gschwendtner: make the hooks branch aware

commit in [hase](#)

Tobias Kirschstein: [CHANGED] finished (hopefully) logic for finding and matching xero and worldpay items

commit in [iwmn-base](#)

Lenz Gschwendtner: reset tmp_user when password is updated

commit in [iwmn-base](#)

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commit in [iwmn-base](#)

Lenz Gschwendtner: added password update for temporary password handling

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Lenz Gschwendtner: fixed typo and added challenge token to session for password update

commit in [iwmn-base](#)

Lenz Gschwendtner: fixed typo and added challenge token to session for password update

commit in [iwmn-base](#)

Jenkins



convince Jenkins to test Perl

TAP::Formatter::JUnit

the full glory

```
prove -r -Ilib --timer \  
      --formatter=TAP::Formatter::JUnit  
-l t > test_results.xml
```

Post-build Actions

☒ Publish JUnit test result report

Test report XMLs

test_results.xml

[Fileset 'includes'](#) setting that specifies the generated raw XML report files, such as

☐ Retain long standard output/error

Test Result : (root)

2 failures

52 tests

Took 0.2 sec.

 [add description](#)

All Failed Tests

Test Name	Duration	Age
>>> boilerplate t.2 - Changes contains no boilerplate text	1 ms	<u>1</u>
>>> boilerplate t.3 - lib/Data/Validate/Common.pm contains no boilerplate text	1 ms	<u>1</u>

All Tests

Class	Duration	Fail	(diff)	Skip	(diff)	Total	(diff)
00-load t	27 ms	0		0		1	+1
boilerplate t	5 ms	2	+2	0		3	+3
is_domain t	51 ms	0		0		11	+11
is_email t	50 ms	0		0		13	+13
is_hostname t	30 ms	0		0		11	+11
is_username t	30 ms	0		0		12	+12
pod t	5 ms	0		0		1	+1

Test Result : boilerplate_t

2 failures



Took 5 ms.

 [add description](#)

All Tests

Test name	Duration	Status
1 - README contains boilerplate text	3 ms	Passed
2 - Changes contains no boilerplate text	1 ms	Failed
3 - lib/Data/Validate/Common.pm contains no boilerplate text	1 ms	Failed

Failed

boilerplate_t.2 - Changes contains no boilerplate text

Failing for the past 1 build (Since 🟡 [#1](#))

[Took 1 ms.](#)

 [add description](#)

Error Message

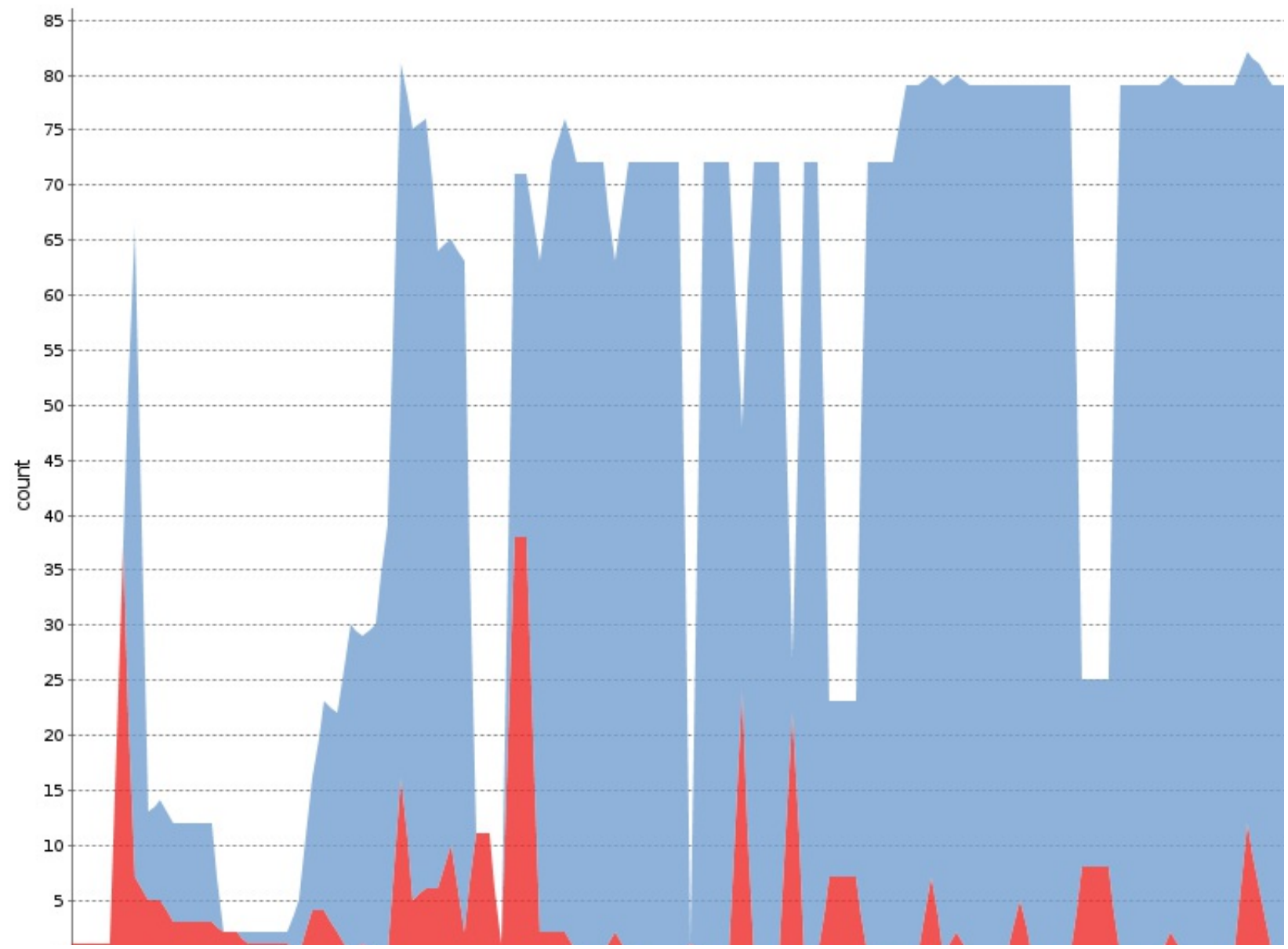
Need to replace the boilerplate text

Stacktrace

ok 2 - Changes contains no boilerplate text # TODO Need to replace the boilerplate text

Standard Output

```
1..3
not ok 1 - README contains boilerplate text # TODO Need to replace the boilerplate text
#   Failed (TODO) test 'README contains boilerplate text'
#   at t/boilerplate.t line 24.
# The README is used... appears on lines 3
# 'version information here' appears on lines 11
ok 2 - Changes contains no boilerplate text # TODO Need to replace the boilerplate text
ok 3 - lib/Data/Validate/Common.pm contains no boilerplate text # TODO Need to replace
the boilerplate text
```



let the magic happen

☒ [PostBuildScript] - Execute a set of scripts

Batch or a shell script files to execute

Add a shell or a Windows batch file

Giovanni



```
$ gio deploy
Running deploy for 'githublicious'
Loading git Plugin
[git] Tag: [v1331523346]
[bender] connected
[bender] running update_cache
From github.com:norbu09/githublicious
    db1629a..34c2176  master    -> origin/master
[bender] Fetching origin
Fetching origin
Updating db1629a..34c2176
Fast-forward
 Mojolicious/Plugin/Jenkins.pm | 5 +++--
 1 files changed, 3 insertions(+), 2 deletions(-)
[bender] running restart
```



```
$ cat .giovanni.conf
[project "githublicious"]
  hosts = bender
  root = ~/githublicious
  init   = ~/githublicious/restart
  deploy = update_cache, restart
  rollback = rollback, restart
  repo = git@github.com:norbu09/githublicious.git
  user = lenz
```

deployment the perl way

all plugin based

extend it to your hearts contend

fork it on github

<https://github.com/norbu09/Giovanni>

more complex example

```
$ cat iwmn.gio
[project "iwmn"]
hosts      = hugo, hn
root       = /usr/local/d8o/iwmn
init       = /etc/init.d/iwmn
deploy     = update_cache, rollout_timestamped, restart_phas
rollback   = rollback_timestamped, restart_phased, notify
repo       = git@github.com:ideegeo/iwmn-base.git
cache      = /usr/local/d8o/git
user       = deploy
jabber_user = XXXXXXXXXXXXXXX
jabber_pass = XXXXXXXXXXXXXXX
jabber_to   = room, user, ...
```

gio supports

git

jabber notify

timestamped and traditional rollout

rollback

restart

summary

automate everything

notify a lot

extend the stuff we already built

thanks

@norbu09

credits

/images

- + <http://flickr.com/>
- +-- pmeidinger
- + wikipedia