goto; conference aarhus

IF GOVERNMENT CAN DO IT...

Gareth Rushgrove (@garethr)
Government Digital Service

If Government can do it...

Technical change in large organisations

Gareth Rushgrove

GDS

Who

(Who is this person?)

Cabinet Office

Gareth Rushgrove
Technical Architect

Government Digital Service
@garethr

Gareth Rushgrove

GDS

CIVIL SERVICE
CLUB
MEMBERSHIP AVAILABLE TO ALL
WORKING & RETIRED CIVIL SERVANTS
SEE INSIDE FOR DETAILS

garethr (Gareth Rushgrove

GitHub, Inc. [US] https://github.com/garethr/

Search or type a command

Explore Gist Blog Help

garethr

Contributions Repositories Public Activity

Edit Your Profil

Gareth Rushgrove
garethr

Cambridge
gareth@morethanseven.net
http://morethanseven.net
Joined on Mar 03, 2008

258 followers **267** starred **87** following

Organizations

Popular repositories

vagrantboxes-heroku 327
Repository for http://www.vagrantbox.es

django-test-extensions 142
A set of custom assertions and example…

django-project-templates 112
A set of Paster templates for Django pro…

django-timelog 103
Performance logging middlware and an…

cloth 82
EC2 tasks for Fabric

Repositories contributed to

alphagov/**government-service-…** 76
Government Service Design Manual

jedi4ever/**devopsdays-webby** 23
Website code for the devopsdays website

gds-operations/**puppet-graphite** 0
Puppet module for managing graphite

puppetlabs/**puppetlabs-java** 30
Puppet Module to manage Java

gds-operations/**puppet-skeleton** 0
Skeleton project for infrastructure teams.

Your Contributions

Jul Aug Sep Oct Nov Dec Jan Feb Mar Apr May Jun

M W F

Summary of Pull Requests, issues opened and commits. Learn more.

Less Mor

663 Total | **9 days** | **0 days**

Gareth Rushgrove GDS

garethr/nginx-json-proxy

GitHub, Inc. [US] https://github.com/garethr/nginx-json-proxy

This repository | Search or type a command | Explore | Gist | Blog | Help | garethr

garethr / nginx-json-proxy

Watch | Star 0 | Fork 1

An experiment with openresty, lua and nginx — Edit

2 commits | 1 branch | 0 releases | 1 contributor

branch: master | nginx-json-proxy /

needs the tmp folder to be present to run the install

garethr authored 4 days ago — latest commit 956f0bc5e4

config	initial working example	
lib	initial working example	
public	initial working example	
tmp	needs the tmp folder to be present to run	
vendor	initial working example	
.gitignore	needs the tmp folder to be present to run	
Gemfile	initial working example	
Gemfile.lock	initial working example	6 days ago
Procfile	initial working example	6 days ago

Code

Issues 0

Pull Requests 0

Wiki

Pulse

You can clone with HTTPS, SSH, Subversion, and other methods.

Last code I wrote

garethr/nginx-json-proxy
GitHub, Inc. [US] https://github.com/garethr/nginx-json-proxy
This repository
Search or type a command
Explore
Gist
Blog
Help
garethr
garethr / nginx-json-proxy
Star 0
Fork 1
An experiment with openresty, lua and
2 commits
branch: master
needs the tmp folder to be present to run
garethr authored 4 days ago
config
lib
public
tmp
vendor
.gitignore
Gemfile
Gemfile.lock
Procfile
Code
Issues 0
Pull Requests 0
Wiki
Pulse
Graphs
Network
Settings
SSH clone URL
You can clone with HTTPS, SSH, Subversion, and other methods.
Lua

A list of base boxes for Va

www.vagrantbox.es

Fork me on GitHub

Vagrantbox.es

Vagrant is an amazing tool for managing virtual machines via a simple to use command line interface. With a simple vagrant up you can be working in a clean environment based on a standard template.

These standard templates are called base boxes, and this website is simply a list of boxes people have been nice enough to make publicly available.

Suggest a Box

Do you know of another base box? Send a pull request and we'll add it to the list below.

Available Boxes

To use the available boxes just replace {title} and {url} with the information in the table below.

```
$ vagrant box add {title} {url}
$ vagrant init {title}
$ vagrant up
```

The list of boxes was last updated on May 18, 2013.

Name	URL
Aegir-up Aegir (Debian Stable 64-bit)	Copy http://ergonlogic.com/files/boxes/aegir-current.box

Weekly Devops Email News

devopsweekly.com

Archive

DEVOPS WEEKLY

7,260 subscribers
powered by MailChimp

A weekly slice of devops news

Kindly sponsored by Brightbox

garethr@garethr: mutt — mutt — 99×18

```
i:Exit  -:PrevPg  <Space>:NextPg v:View Attachm.    r:Reply  j:Next ?:Help
Date: Sun, 21 Nov 2010 08:22:54 -0500
From: Devops Weekly <gareth@morethanseven.net>
To: gareth@morethanseven.net
Subject: Devops Weekly #0
X-Mailer: MailChimp Mailer - **CID1556f6f0e7**

DEVOPS WEEKLY
ISSUE #0 - 21st November 2010

Welcome to the first issue of Devops Weekly.

I've been finding Ruby Weekly (http://rubyweekly.com/), a weekly email newsletter from Peter
+Cooper, increasingly useful. Something about finding a small amount of high quality content once a
+week easier to digest than the usual fire hose of RSS and Twitter. So I'm trying the format out
+for devops related content. Please email me with anything you think is worth featuring.
-  F- 1/22: Devops Weekly          Devops Weekly #0                                -- (20%)
```

Subscribe

Please provide your email address

Background

(A startup in Government)

Gareth Rushgrove

GDS

Gareth Rushgrove

GDS

https://www.gov.uk/gover

https://www.gov.uk/government/uploads/system/uploads/attachment_data/file/60993/Martha_20Lane_20Fox_...

Race Online 2012

www.raceonline2012.org

14th October 2010

Dear Francis Maude,

DIRECTGOV 2010 AND BEYOND: REVOLUTION NOT EVOLUTION

You asked me to oversee a strategic review of Directgov and to report to you by the end of September. I have undertaken this review in the context of my wider remit as UK Digital C
efficiencies can best be re
This means that I have not
the government can use th
with citizens and to delive
This letter sets out my find

Directgov as an organisation does two different things. It **provides access to online transactional services** such as student loans, car tax and Jobseekers' Allowance, and it **publishes government information** for citizens in one place

October 2010

Gareth Rushgrove GDS

[ARCHIVED CONTENT] Welco

webarchive.nationalarchives.gov.uk/20111004104716/http://alpha.gov.uk/

EXPERIMENTAL PROTOTYPE There may be errors, inconsistencies and inaccuracies.

About the prototype | Project Blog | **Tell us what you think**

Help

alpha.gov.uk

Where are you?

If we know your location we can give you details of services local to you.

Set location

I'm looking for…

Go

e.g. Bank holidays, Lost passport or Department for Education

Popu

How much is the minimum wage?

Pay your Council Tax

Should I register for VAT?
Business Link

Report lost or stolen passport

June 2011

I joined. Team of about 10 people

August 2011

GOV.UK Settings Help Feedback Take the tour

Welcome to GOV.UK, the best way to get to government services and information

Search

Try bank holidays, clock change, student finance, car tax

BROWSE

Crime and justice | Driving | Education | Family | Housing | Life in the UK | Money and tax | Neighbourhoods | Travel | Work

POPULAR

- Get a tax disc
- UK bank holidays
- Student finance calculator
- Housing Benefit
- Maternity pay entitlement
- What to do after someone dies

This is an aerial photograph of The Angel of the North.

This is a test website, so may be inaccurate or misleading. The official webs

Help Cookies Search Take the tour

Much of the information on this website is available for reuse under the Open Government Licence

Built by the Government Digital Service

© Crown Copyright

January 2012

GDS

(Government Digital Service)

Gareth Rushgrove

GDS

Welcome to GOV.UK

https://www.gov.uk

GOV.UK

Search

Welcome to GOV.UK

The best place to find government services and information

Simpler, clearer, faster

This website replaces

Directgov BUSINESS LINK

Driving and transport
Includes car tax, MOT and driving licences

Benefits
Includes tax credits, eligibility and appeals

Businesses and self-employed
Tools and guidance for businesses

Employing people
Includes pay, contracts and hiring

Passports, travel and living abroad
Includes renewing passports and travel advice by country

Education and learning
Includes student loans and admissions

Working, jobs and pensions
Includes holidays and finding a job

Housing and local services
Owning or renting and council services

Crime,
Legal p

Births,
Parent
Lastin

Inside Government
Government departments, policies and announcements

Citizenship and living in the UK
Voting, how government works, moving to the UK

October 2012

Gareth Rushgrove GDS

Student finance calculator

https://www.gov.uk/student-finance-calculator/y/2013-2014

GOV.UK

Search

Home > Education and learning > Student finance, loans and universities

Quick answer

Student finance calculator

Start again

1 When does your course start?
Between September 2013 and August 2014

2 **What type of student are you?**

- UK student full-time
- UK student part-time
- EU student full-time
- EU student part-time

Next step

Tools for citizens

Transition – GOV.UK

Date Range:

Yesterday Last week Date: yyyy-mm-dd Submit

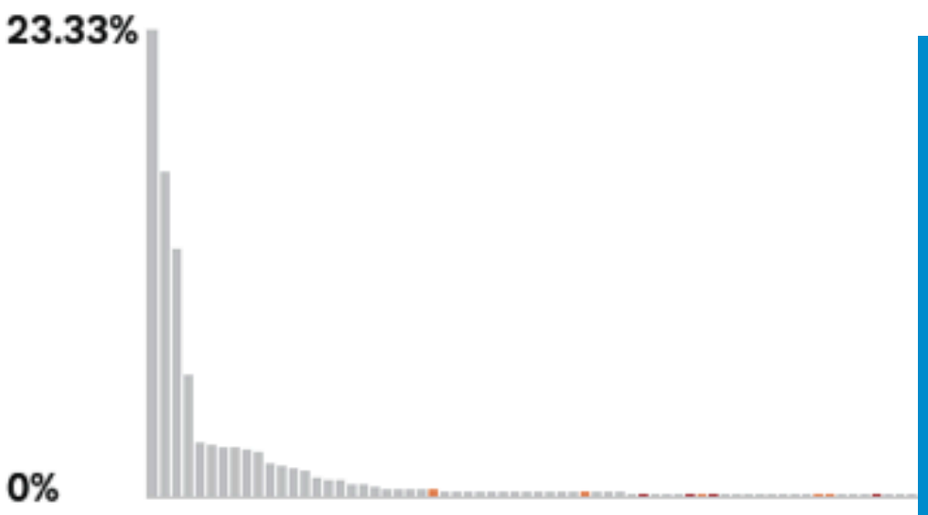
Site: cabinetoffice Submit

Host: www.cabinetoffice.gov Submit

Click a column to pick a weeks view:

Page requests from 23 June 2013 to 30 June 2013

All | Archive | Error | Redirect | Ok



Tools for internal users

Percent	Hits	Status		
23.33%	19090	redirect	/feed/news	
16.17%	13232	redirect	/	visit
12.40%	10150	redirect	/resource-library?page=	visit

Award winning

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GDS

Organisation of about 250 people

October 2013

Gareth Rushgrove

GDS

Digital Transformation - G

https://www.gov.uk/transformation

GOV.UK

Search GOV.UK

Home

Digital Transformation

Digital services so good people prefer to use them

Discovery	Alpha	Beta	Live
7	6	11	1
Finding out what the users need, what to measure and what the constraints are Learn more about the discovery phase	Building a prototype, testing it with users and learning from it Learn more about the alpha phase	Scaling up and going public Learn more about the beta phase	Learning how to continuously improve the live service Learn more about the live phase

What

(What is this talk about again?)

Gareth Rushgrove

GDS

1

Adopting agile in a large organisation

Gareth Rushgrove GDS

2

The importance of rapid releases

3

Why auditors love infrastructure as code

Gareth Rushgrove GDS

4

How being open makes everything better

If government can

Work in an agile manner

(Scaling agile)

Gareth Rushgrove

GDS

GDS design principles

https://www.gov.uk/designprinciples

GOV.UK

Search

ALPHA Last updated 2 July 2012

Government Digital Service

Design Principles

Listed below are our design principles and examples of how we've used them so far. These build on, and add to, our original 7 digital principles.

1. **Start with needs***
2. **Do less**
3. **Design with data**
4. **Do the hard work to make it simple**
5. **Iterate. Then iterate again.**
6. **Build for inclusion**
7. **Understand context**
8. **Build digital services, not websites**
9. **Be consistent, not uniform**
10. **Make things open: it makes things better**

http://www.flickr.com/photos/psd/9120523574

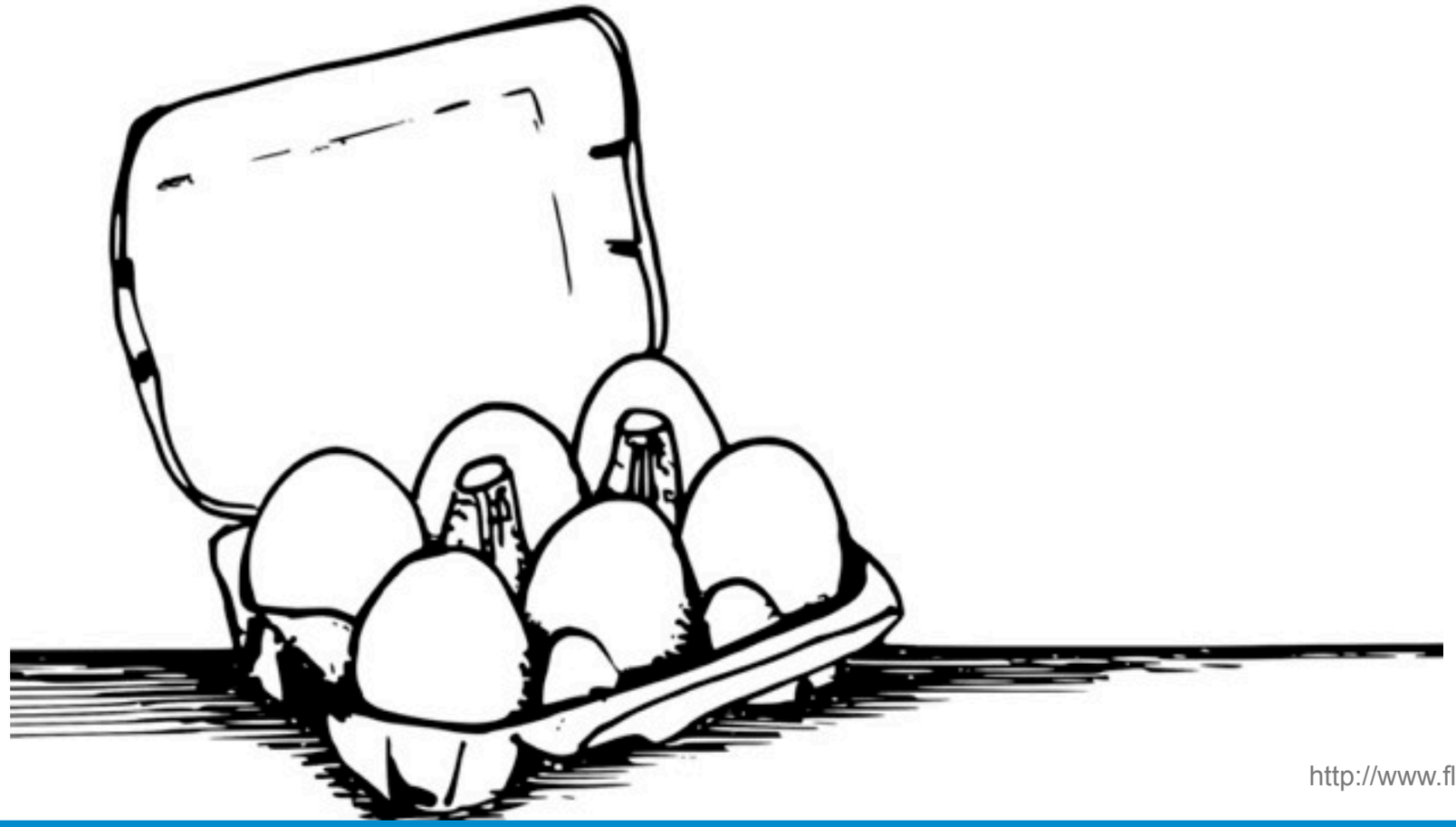
Start with the needs*

*user needs, not government needs

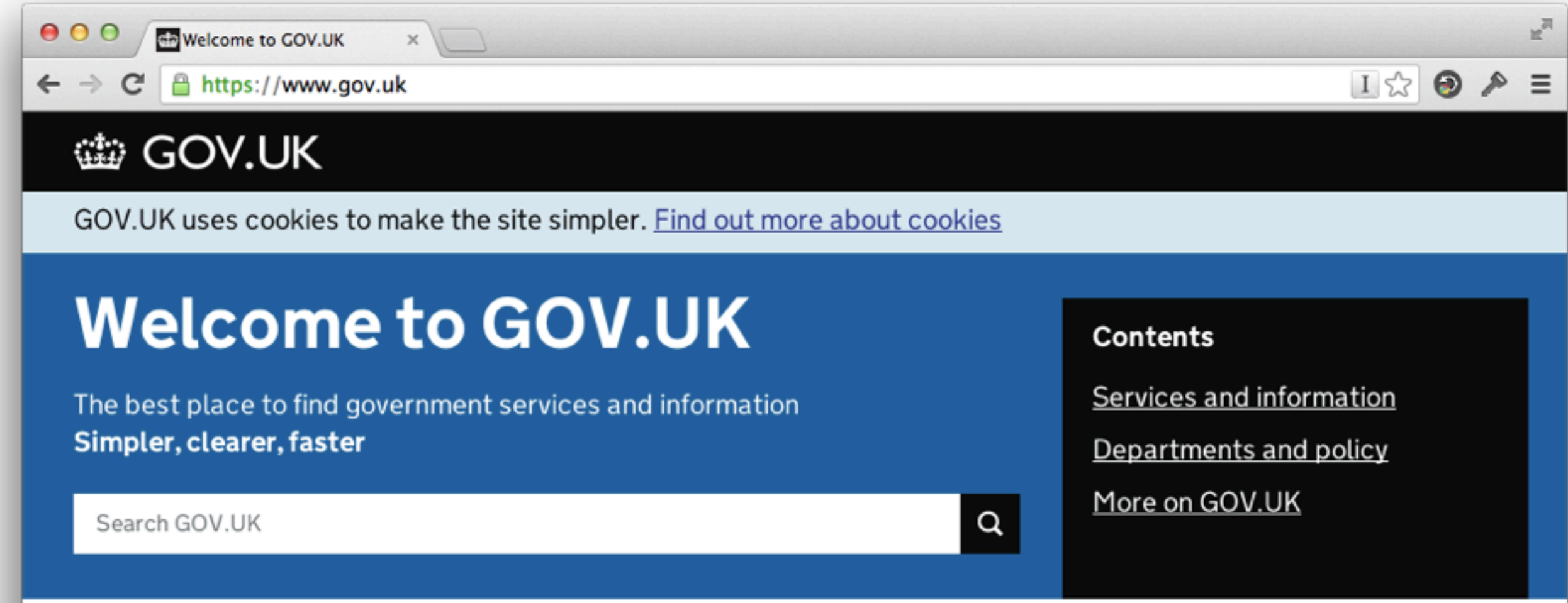
Do the hard work to make it simple

http://www.flickr.com/photos/psd/9104280608

Do less



http://www.flickr.com/photos/psd/9109319242


Welcome to GOV.UK
https://www.gov.uk
GOV.UK
GOV.UK uses cookies to make the site simpler. Find out more about cookies
Welcome to GOV.UK
The best place to find government services and information
Simpler, clearer, faster
Search GOV.UK
Contents
Services and information
Departments and policy
More on GOV.UK
Services and information
Driving and transport
Includes car tax, MOT and driving licences
Benefits
Includes tax cr
Employing people
Includes pay, contracts and hiring
Passports, t
Includes renew
advice by coun
Working, jobs and pensions
Includes holidays and finding a job
Housing and
Owning or renting and council services
Legal processes, courts and the police
Money and tax
Births, deaths, marriages and care
Disabled people
An example project
Gareth Rushgrove
GDS

From one team of about 14

Product owner

Delivery manager

Developer

Developer

Designer

Developer

Developer

Content designer

Developer

Developer

Content designer

Developer

Developer

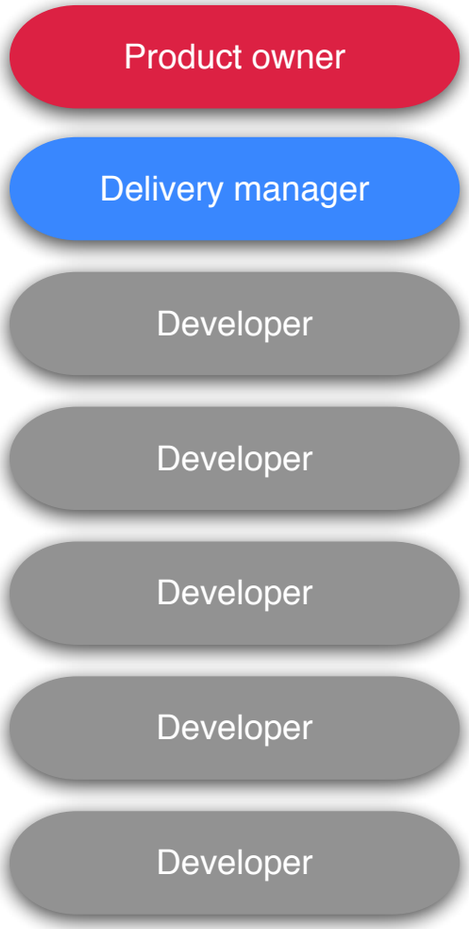
Content designer

To 140 people in 14 teams

Product owner
elivery manager
Developer
Developer
Developer
Developer
Developer

Product owner
Delivery manager
Business analyst
Designer
Developer
Developer
Developer
Developer
Content designer
Content designer

Product owner
Delivery manager
Business analyst
Developer
Developer
Developer
Developer
Developer
Developer


Product owner
Delivery manager
Developer
Developer
Developer
Developer
Developer

Product owner
Delivery manager
Business analyst
Designer
Developer
Content designer
Content designer
Content designer
Content designer

All in about a year

Web operations team just another product team

Gareth Rushgrove GDS

Product owner
Delivery manager
Developer
Developer
Developer
Developer
Product owner
Delivery manager
Web operations
Web operations
Web operations
Web operations
Web operations
Web operations
Product owner
Delivery manager
Business analyst
Developer
Developer
Developer
Developer
Product owner
Delivery manager
Developer
Developer
Developer
Developer
Product owner
Delivery manager
Business analyst
Designer
Developer
Content designer
Content designer
Content designer
Content designer

With web operations people in other teams when required

Product owner	Product owner	Product owner	Product owner	Product owner
elivery manager	Delivery manager	Delivery manager	Delivery manager	Delivery manager
Developer	Business analyst	Business analyst	Developer	Business analyst
Developer	Designer	Developer	Developer	Designer
Developer	Developer	Developer	Developer	Developer
Developer	Developer	Developer	Developer	Web operations
Developer	Developer	Developer	Developer	Content designer
	Content designer	Developer		Content designer
	Content designer	Web operations		Content designer
				Content designer

And with developers also working on operations tasks

Someone in charge

Programme owner

roduct owner	Product owner	Product owner	Product owner	Product owner
livery manager	Delivery manager	Delivery manager	Delivery manager	Delivery manager
Developer	Business analyst	Business analyst	Developer	Business analyst
Developer	Designer	Developer	Developer	Designer
Developer	Developer	Developer	Developer	Developer
Developer	Developer	Developer	Developer	Content designer
	Developer	Developer	Developer	Content designer
	Content designer	Developer		Content designer
	Content designer			Content designer
				Content designer

Information assurance, legal, procurement, programme support

Product owner

elivery manager

Developer

Developer

Developer

Developer

Developer

gramme support

Product owner

Delivery manager

Business analyst

Designer

Developer

Developer

Developer

Content designer

Content designer

Programme support

Product owner

Delivery manager

Business analyst

Developer

Developer

Developer

Developer

Developer

Programme support

Product owner

Delivery manager

Developer

Developer

Developer

Developer

Developer

Programme support

Product owner

Delivery manage

Business analys

Designer

Developer

Content designe

Content designe

Content designe

Programme sup

Governance

Board member

Board member

Board member

Board member

Board member

Board member

Board member

Board member

Programme owner

Product owner

elivery manager

Developer

Developer

Developer

Developer

Developer

Product owner

Delivery manager

Business analyst

Designer

Developer

Developer

Developer

Content designer

Product owner

Delivery manager

Business analyst

Developer

Developer

Developer

Developer

Developer

Product owner

Delivery manager

Developer

Developer

Developer

Developer

Developer

Product owner

Delivery manager

Business analyst

Designer

Developer

Content designer

Content designer

Content designer

To an organisation of 250 people, multiple programmes and a portfolio management team

Content designer
Content designer
Content designer

Board member
Board member
Board member
Board member
Board member
Board member
Board member
Board member

Programme owner

Product owner
Delivery manager
Developer
Developer
Developer
Developer
Developer

Product owner
Delivery manager
Business analyst
Designer
Developer
Developer
Developer
Content designer
Content designer

Product owner
Delivery manager
Business analyst
Developer
Developer
Developer
Developer
Developer
Developer

Product owner
Delivery manager
Developer
Developer
Developer
Developer
Developer

Product owner
Delivery manager
Business analyst
Designer
Developer
Content designer
Content designer
Content designer
Content designer
Content designer

Portfolio manager

Portfolio manager

Portfolio manager

Portfolio board

Portfolio board

Portfolio board

Portfolio board

Portfolio board

Board member
Board member
Board member
Board member
Board member
Board member
Board member
Board member

Programme owner

Product owner
Delivery manager
Developer
Developer
Developer
Developer
Developer

Product owner
Delivery manager
Business analyst
Designer
Developer
Developer
Developer
Content designer
Content designer

Product owner
Delivery manager
Business analyst
Developer
Developer
Developer
Developer
Developer
Developer

Product owner
Delivery manager
Developer
Developer
Developer
Developer
Developer

Product owner
Delivery manager
Business analyst
Designer
Developer
Content designer
Content designer
Content designer
Content designer
Content designer

Programme support
Programme support
Programme support
Programme support
Programme support

Now working out how to scale that across multiple organisations

What we've learnt about sc ×

digital.cabinetoffice.gov.uk/2012/10/26/what-weve-learnt-about-scaling-agile/

Government Digital Service

Home About GDS GDS projects Working at GDS Jobs Cookies GOV.UK

Cabinet Office homepage

What we've learnt about scaling agile

by Jamie Arnold on 26/10/2012

Warning: This is a slightly geeky post about agile – the methodology we use to deliver our projects. It therefore features quite a lot of terminology. We hope this will be useful for those of you building projects like these, but if you're just an interested bystander you might want to start with this quick intro to agile.

Well, we did it! We delivered GOV.UK. It was big and hairy and we did it by being agile. The benefits are clear:

Scaling agile

Follow us on Twitter

Tweets Follow @gdsteam

GDS **GDS** 28 Sep
@gdsteam
Last call for volunteers to advise the #OpenStandards Board: bit.ly/17aTr1H
Expand

GDS **GDS** 27 Sep
@gdsteam
This week our first #openstandards were

Gareth Rushgrove GDS

Things that worked

Avoiding dependencies

Understand interfaces

People AND software

Gareth Rushgrove

GDS

Multi-disciplinary teams

Many small services

Ability to throw things away

Trust

If government can

Release quickly

(Change control is fun)

Gareth Rushgrove

GDS

Iterate. Then iterate again.

http://www.flickr.com/photos/psd/9099796942

Richard Stirling
@Rchards

Following

So much good engineering, thought and responsiveness behind GDS being able to release 88 updates in 8 days.

Reply Retweet Favorite

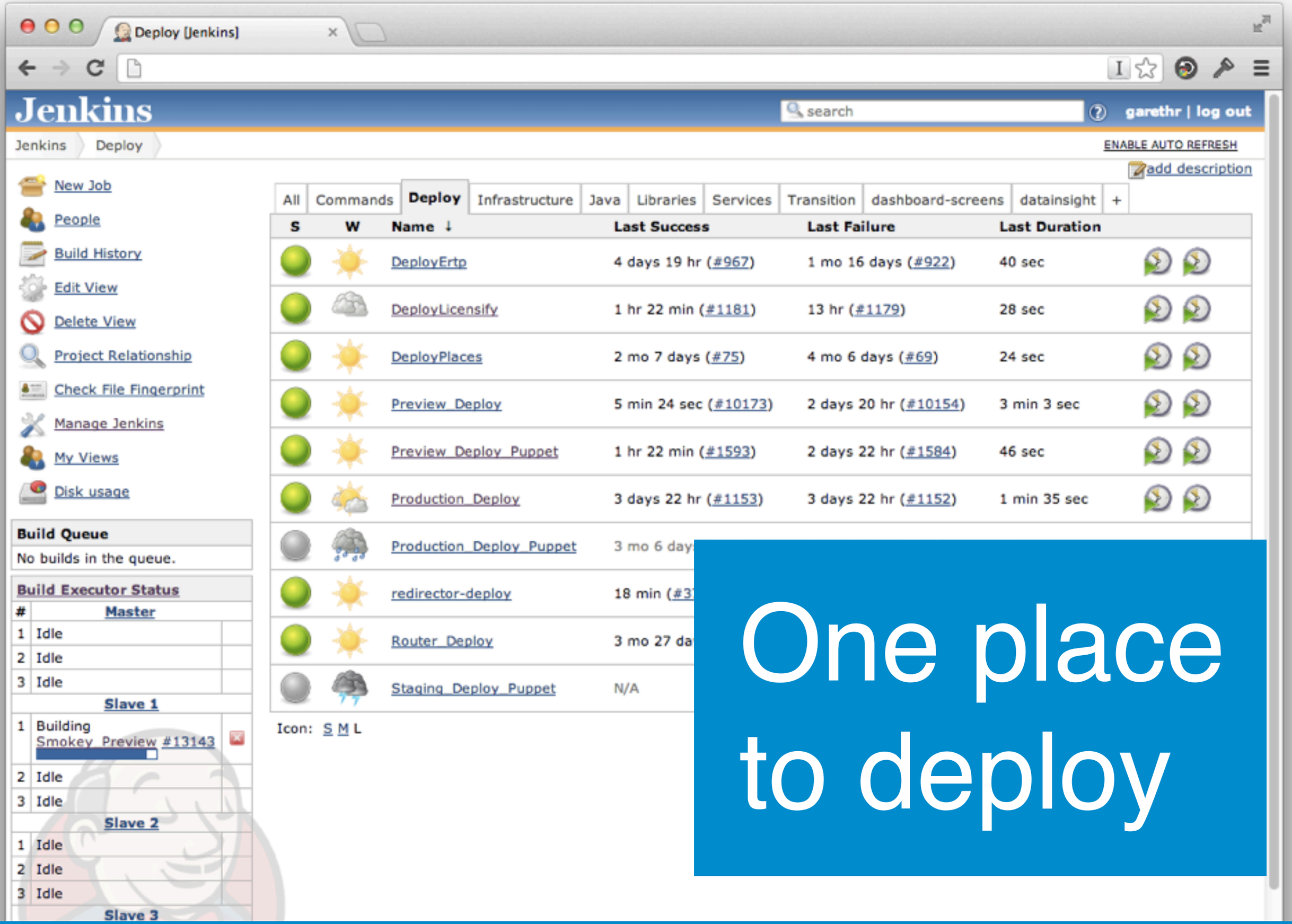
3	1	
RETWEETS	FAVORITE	

6:10 PM - 24 Oct 12 · Embed this Tweet

Average about 6 releases a day over first 6 months

We changed less software on the day of launch than probably any day before or since

One click deploy



Gareth Rushgrove

GDS

Zero click deploy for early parts of pipeline

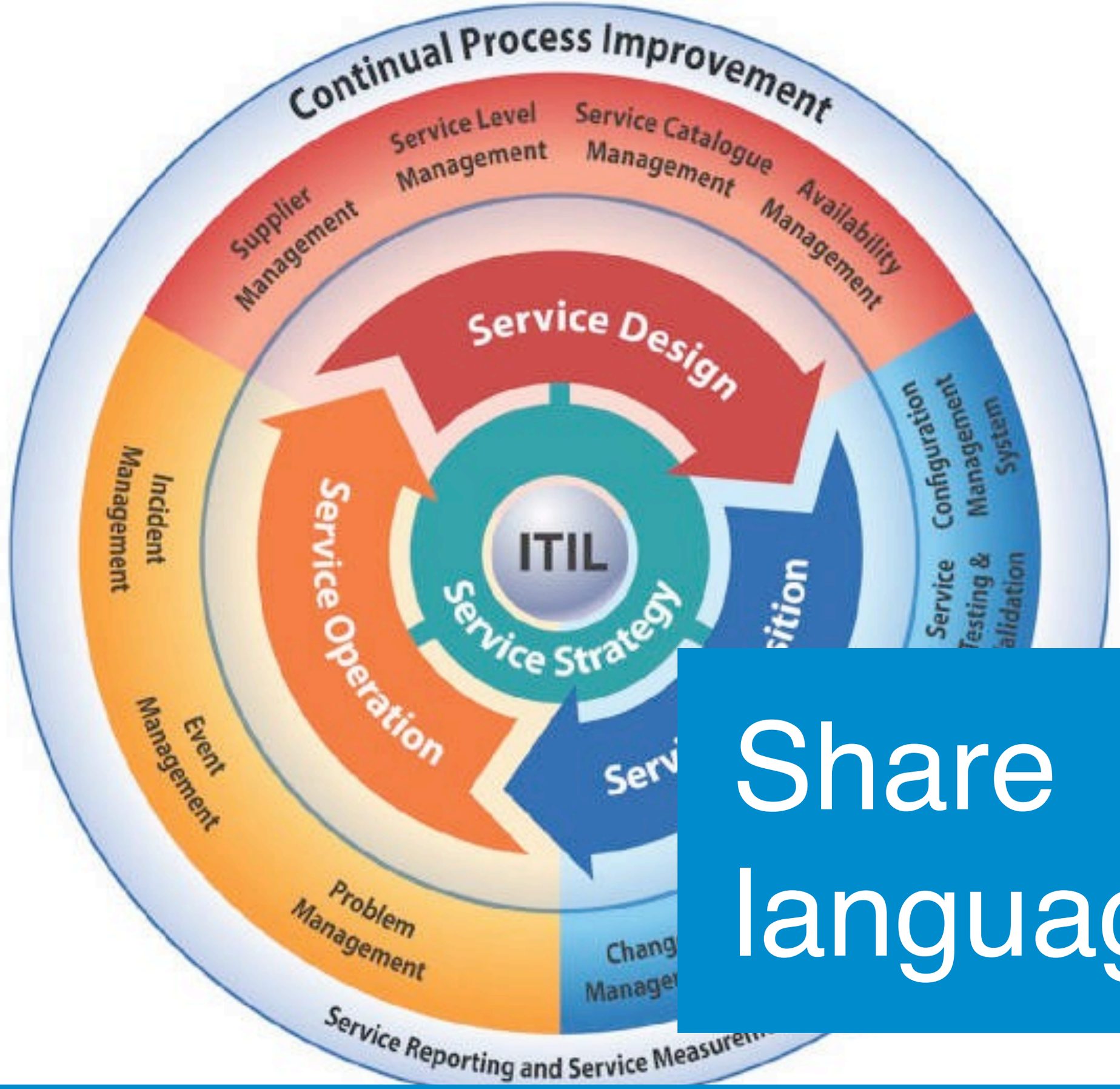
One click deploy with suitable processes and access controls

Talk about operations

Gareth Rushgrove

GDS

1. Transition planning and support
2. Change management
3. Asset and configuration management
4. Release and deployment management
5. Service validation and testing
6. Change evaluation
7. Knowledge management



Share language

Talk about risk

Information Security Management System
ISO
27001
Certified

Regular Releases Reduce R

digital.cabinetoffice.gov.uk/2012/11/02/regular-releases-reduce-risk/

Government Digital Service

Home About GDS GDS projects

Regular releases reduce risk

Regular Releases Rec

by Gareth Rushgrove on 02/11/2012

GOV.UK came out of beta just over two weeks ago. In that time we've released over 100 updates. I want to talk a little about how we do that, but mainly to focus on why this approach makes for more stability and less risk for the service.

Before we begin I just want to say thank you to one of our Cabinet Office colleagues whose tweet last week spurred me to write this blog post.

Richard Stirling
@Rchards

Follow

means it's time for @MrBracken 's "This week at GDS" video: bit.ly/15kfBxp 1 day ago

What users in the civil service tell us they want from tech governance digital.cabinetoffice.gov.uk/2013/07/04/exp… Blog post by @ad_greenway 2 days ago

Because everyone understands practice

If government can

Treat everything as code

(The importance of process)

Gareth Rushgrove

GDS

Configuration management

AnsibleWorks

SALTSTACK

puppet labs

CFEngine®

Chef

```
package { 'apache2':
  ensure   => latest,
}

service { 'apache2':
  ensure   => running,
  provider => upsta
  require  => Packa
}
```

Infrastructure as code

```
class govuk::apps::calendars( $port = 3011 ) {
  govuk::app { 'calendars':
    app_type                => 'rack',
    port                    => $port,
    health_check_path => '/bank-holidays',
  }
}
```

Higher level abstractions

Infrastructure not just configuration

```
{
    "role":         "client",
    "platform":     "production",
    "class":        "backend",
    "zone":         "backend",
    "vm_name":      "backend-1",
    "ip":           "xx.x.x.x"
}
```

Virtual machines

```
require 'rubygems'
require 'nat'

nat do
  snat :interface => "Client Data",
       :original => { :ip => "10.0.0.0/xx" },
       :translated => { :ip => "xx.xx.xx.xx" },
       :desc => "Outbound internet traffic"
  dnat :interface => "Client Data",
       :original => { :ip => "xx.xx.xx.xx", :port => 22 },
       :translated => { :ip => "10.0.0.xx", :port => 22 },
       :desc => "jumpbox-1 SSH"
  dnat :interface => "Client Data"
       :original => { :ip => "xx.x
       :translated => { :ip => "10
       :desc => "jenkins, logging,
```

Virtual networks

```
require 'rubygems'
require 'firewall'

firewall do
  # internal rules
  rule "ssh access to jumpbox1" do
     source      :ip => "Any"
     destination :ip => "xx.xx.xx.xx", :port => 22
  end

  rule "http to backend applications
     source      :ip => "Any"
     destination :ip => "xx.xx.xx.xx
  end

  rule "https to backend application
```

Virtual firewalls

```
@normal
Scenario: check quick answers load
  When I visit "/vat-rates"
  Then I should see "VAT rates"
```

Smoke tests and monitoring

Gareth Rushgrove

GDS

```
@high
Scenario: check quick answers load
  When I visit "/vat-rates"
  Then I should see "VAT rates"
```

Change who responds to issue

Reuse audited processes

Code review, pairing, source control, release pipeline, access controls

Avoiding spreadsheets as a source of truth

Developers want visibility of deploys

Organisations want auditability of deploys

Frontend | GOV.UK Releas

GOV.UK Release Applications Signed in as Gareth Rushgrove Services

Frontend (frontend)

https://github.com/alphagov/frontend

Edit

Commit Log

Deployed to	Tags	Commit
	release_1287	Cleanup spelling suggestion tests 4623a50ecc885a421d9813d10fee3ac87575f46b
	release_1286 release_1285	Merge pull request #386 from alphagov/correctly_disable_cache_in_dev 7a9cd2c5561581f18a7934984b6bfc6fadd4cb49
		Correctly disable the cache in development
	release_1284	Merge pull requ
	release_1283	Merge pull requ
		changed destin
		remove workpla
		Update homepa
staging at 2:12pm - 4 Jul production at 2:36pm - 4 Jul	release_1282 release_1281	Merge remote b

App showing deploys

Puppetboard

0.0.0.0:5000/node/puppetdb.nedap.local

Reader

PUPPETBOARD OVERVIEW NODES FACTS REPORTS QUERY

Details

Hostname	**puppetdb.nedap.local**
Catalog compiled at	Tuesday, August 6 2013 3:00 PM
Facts retrieved at	Tuesday, August 6 2013 3:00 PM
Report uploaded at	Tuesday, August 6 2013 3:00 PM

Facts

Type here to filter

Fact	Value
architecture	amd64
augeasversion	0.10.0
bios_release_date	12/01/2006
bios_vendor	innotek GmbH
bios_version	VirtualBox
blockdevice_sda_model	VBOX HARDDISK
blockdevice_sda_size	16106127360
blockdevice_sda_vendor	ATA
blockdevice_sr0_model	CD-ROM
blockdevice_sr0_size	1073741312
blockdevice_sr0_vendor	VBOX
blockdevices	sda,sr0
boardmanufacturer	Oracle Corporation
boardproductname	VirtualBox
boardserialnumber	0
clientcert	puppetdb.nedap.local
clientversion	3.2.2
domain	nedap.local
facterversion	1.7.1

Reports

Only showing the last ten reports.

Start time	Run time	Full report
Tuesday, August 6 2013 3:00 PM	0:00:01	d7334a...

Copyright © 2013 Daniele Sluijters.

Live from PuppetDB.

CMDB

If government can

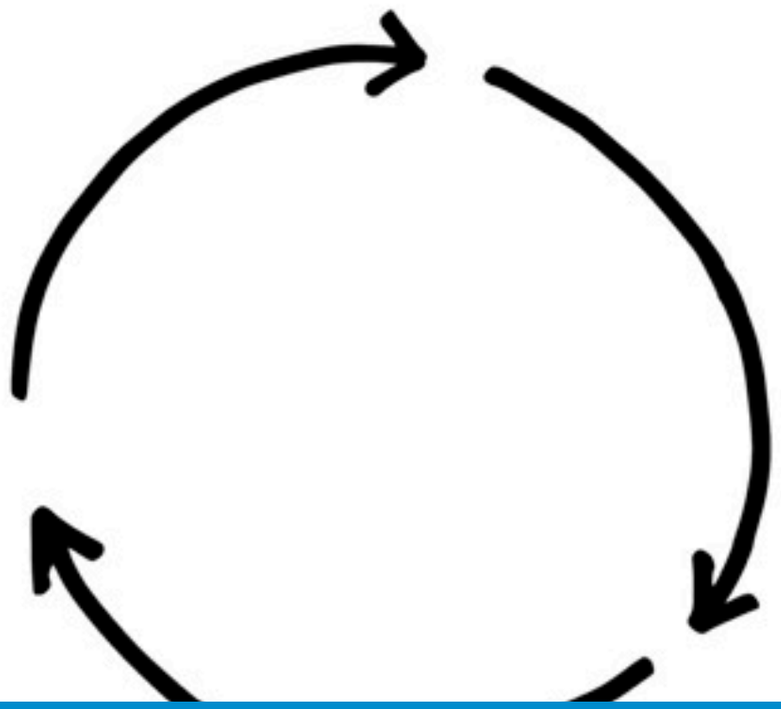
Work in the open

(The benefits of openness)

Gareth Rushgrove

GDS

Make things open, it makes them better



http://www.flickr.com/photos/psd/9122642253

Government Digital Servic ×

digital.cabinetoffice.gov.uk

the Deputy PM's office, all 24 of the UK's central government departments and its embassies around the world are now sharing a single, joined-up presence...

Blogging

Jul 5

This week at GDS

@GDSTeam on Twitter

It's Friday afternoon, which means it's time for @MTBracken 's "This week at GDS" video: bit.ly/15kfBxp 1 day ago

What users in the civil service tell us they want from tech governance digital.cabinetoffice.gov.uk/2013/07/04/exp… Blog post by @ad_greenway 1 day ago

On our blog read how claima

Gareth Rushgrove GDS

Inside GOV.UK

https://insidegovuk.blog.gov.uk

GOV.UK

Blog

Inside GOV.UK

Search blog

Organisations: Cabinet Office, Government Digital Service

Topics: Government efficiency, transparency and accountability

atom email alerts

Improving browse and navigation

In the last few weeks, we've been taking a look at how people browse and navigate GOV.UK. We've just made a start with some HTML prototypes and research in the usability lab.

Read more

Gareth Rushgrove GDS

Coding in the open | Gove

digital.cabinetoffice.gov.uk/2012/10/12/coding-in-the-open/

Government Digital Service

Home About GDS GDS projects Working at GDS Jobs Cookies GOV.UK

Cabinet Office homepage

Coding in the open

by James Stewart on 12/10/2012

We talk a lot about Open Source at GDS. GOV.UK is built on open s
software and, to a degree, built as open source software. It's a topi
passionately about because it helps us maintain our focus on user
helping us to quickly test and iterate software and systems.

The software world has a rich and growing range of tools to build y
software on. From operating systems such as GNU/Linux, web serv
as Apache or nginx, databases like MySQL, Postgres or MongoDB
are there so we don't have to do it all ourselves.

The challenge is often in knowing which of those tools are right for the job
you're focussed on

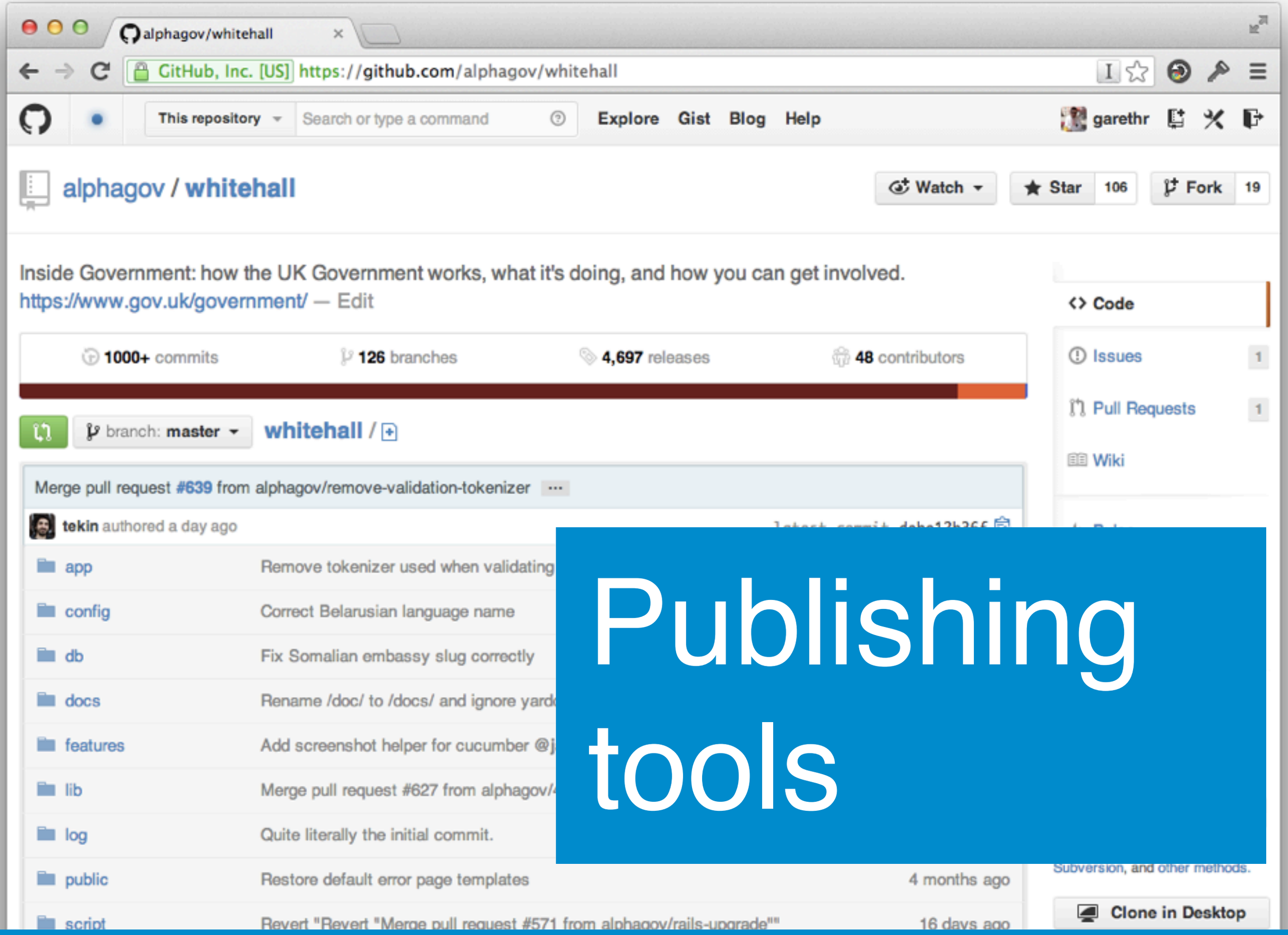
Search the GDS blog

Coding in the open

@gdsteam

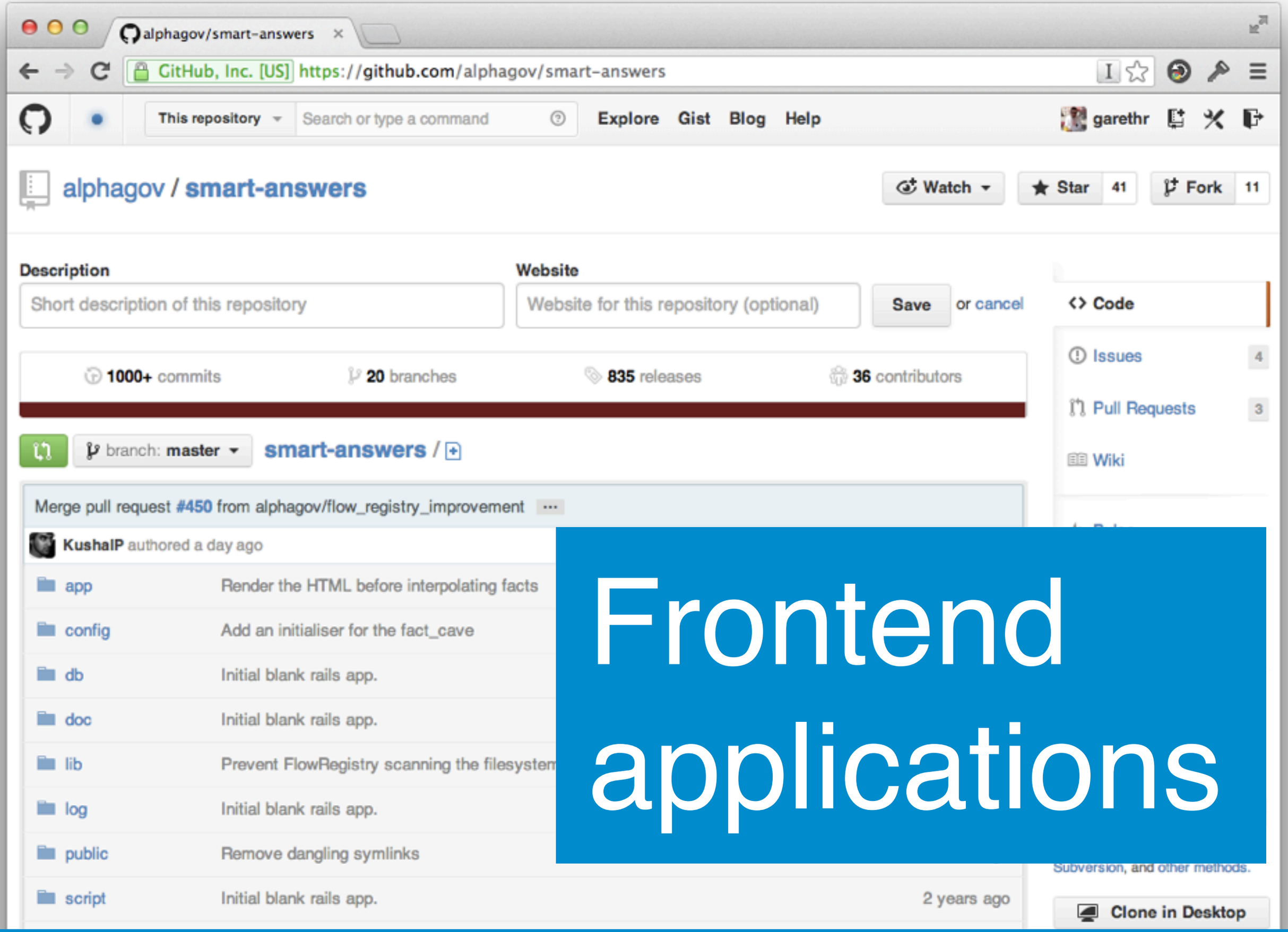
This week our first #openstandards were selected, @liammax writes about it here :

Gareth Rushgrove GDS

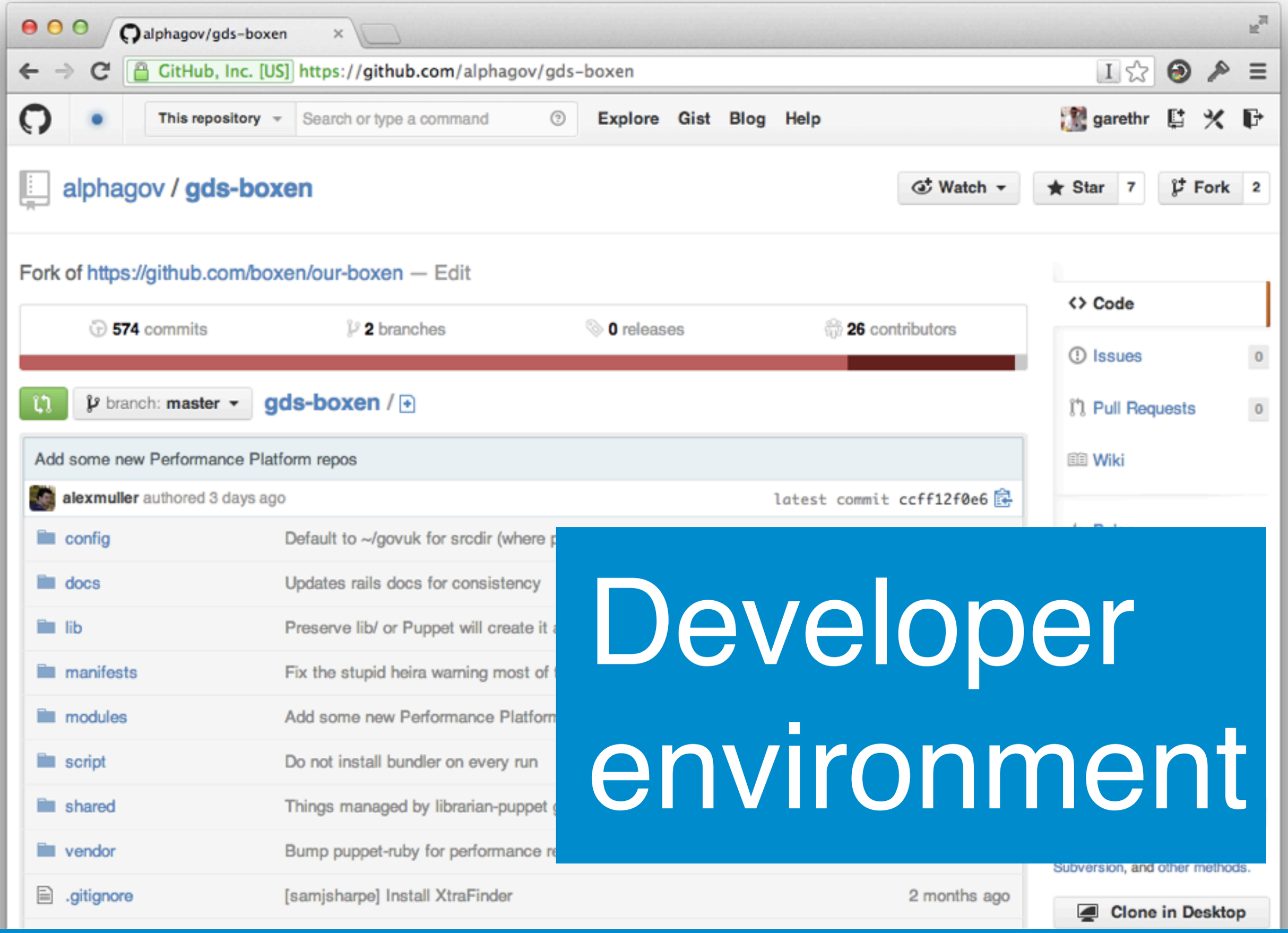


Publishing tools

Gareth Rushgrove GDS



Frontend applications



Developer environment

Gareth Rushgrove

GDS

gds-operations/puppet-sy

GitHub, Inc. [US] https://github.com/gds-operations/puppet-syntax

This repository | Search or type a command | Explore | Gist | Blog | Help | garethr

gds-operations / puppet-syntax

Watch | Star 1 | Fork 0

Syntax checks for Puppet manifests and templates — Edit

36 commits | 1 branch | 5 releases | 2 contributors

branch: master | puppet-syntax /

Pretty up version support section in README ...

dcarley authored a day ago — latest commit 15739b9b53

lib	Release 1.0.0	
spec	Escape curly-bracket within	
.gitignore	Add vendor directory to gitig	
.travis.yml	Test against mutliple Ruby/R	
CHANGELOG	Release 1.0.0	
Gemfile	Test against mutliple Ruby/R	
LICENSE.txt	Initial commit: skeleton from	
README.md	Pretty up version support se	
Rakefile	Set default rake task to 'spec'	a month ago

Code | Issues 0 | Pull Requests 0 | Wiki

Subversion, and other methods.

Clone in Desktop

Handy utilities

alphagov/government-ser ×

GitHub, Inc. [US] https://github.com/alphagov/government-service-design-manual

This repository | Search or type a command | Explore | Gist | Blog | Help | garethr

alphagov / government-service-design-manual

Watch 101 | Star 86 | Fork 66

Government Service Design Manual https://www.gov.uk/service-manual — Edit

2,583 commits | 41 branches | 58 releases | 74 contributors

branch: master | government-service-design-manual /

Merge pull request #216 from alphagov/architecture ···

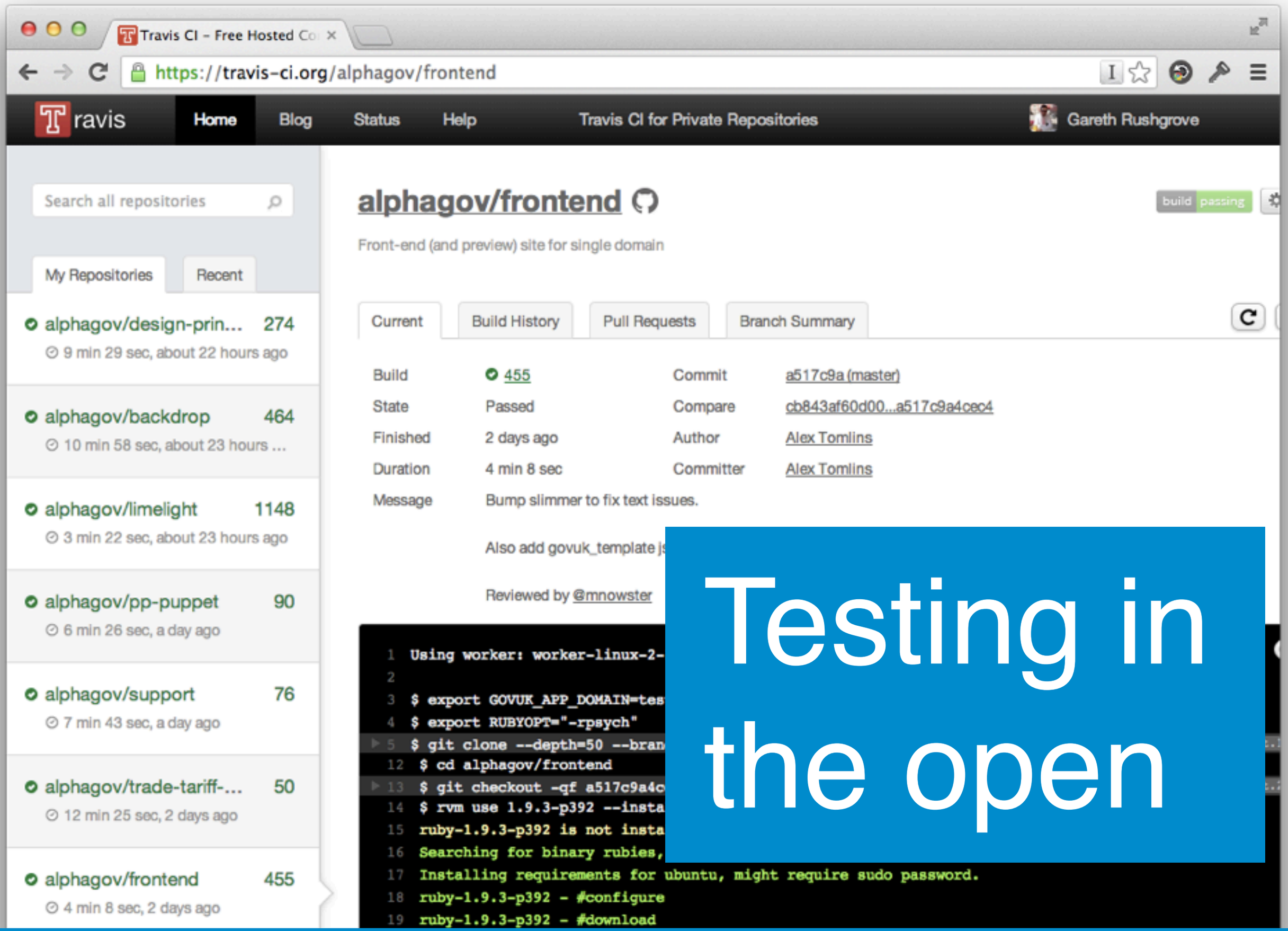
jabley authored a day ago — latest commit 120738b049

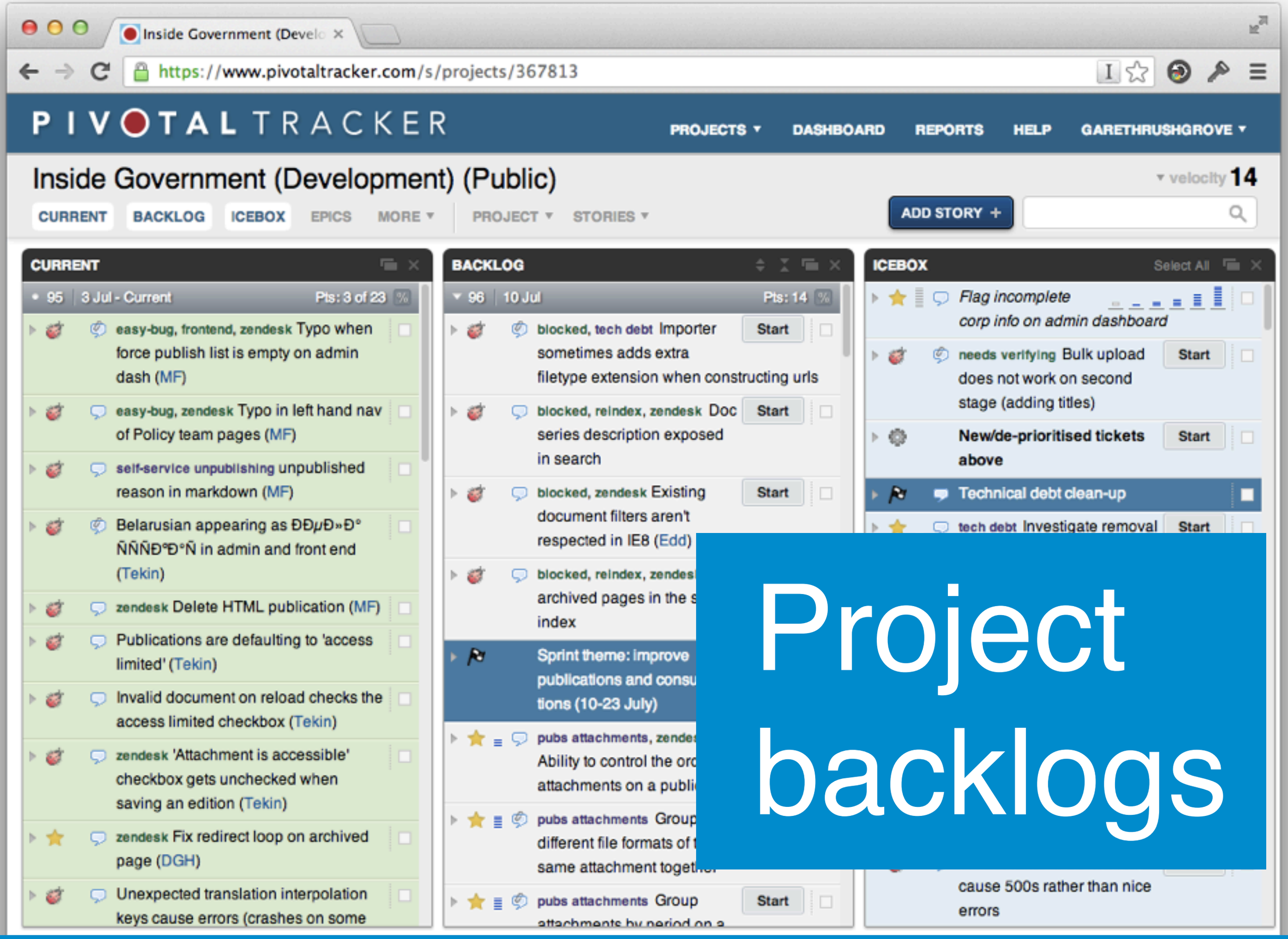
_includes	Re-add toolkit as submodule	
_layouts	Add the main tag to all pages	
_plugins	Use the first paragraph as search summary	
service-manual	dashes	
.gitignore	Removed .psd files from print-forms and modified .g	
.gitmodules	Re-add toolkit as submodule	
CONTRIBUTING.md	Remove full stop from end of bullet point	
Gemfile	Revert to original version of jekyll-sass	
Gemfile.lock	Revert to original version of jekyll-sass	18 days ago
README.md	Update breadcrumb to user-centered-design	18 days ago

Code | Issues 12 | Pull Requests 7 | Wiki | Pulse

Clone in Desktop

Published content


Travis CI - Free Hosted Co
https://travis-ci.org/alphagov/frontend
travis
Home
Blog
Status
Help
Travis CI for Private Repositories
Gareth Rushgrove
Search all repositories
My Repositories
Recent
alphagov/design-prin... 274
9 min 29 sec, about 22 hours ago
alphagov/backdrop 464
10 min 58 sec, about 23 hours ...
alphagov/limelight 1148
3 min 22 sec, about 23 hours ago
alphagov/pp-puppet 90
6 min 26 sec, a day ago
alphagov/support 76
7 min 43 sec, a day ago
alphagov/trade-tariff-... 50
12 min 25 sec, 2 days ago
alphagov/frontend 455
4 min 8 sec, 2 days ago
alphagov/frontend
Front-end (and preview) site for single domain
build passing
Current
Build History
Pull Requests
Branch Summary
Build 455
State Passed
Finished 2 days ago
Duration 4 min 8 sec
Message Bump slimmer to fix text issues.
Commit a517c9a (master)
Compare cb843af60d00...a517c9a4cec4
Author Alex Tomlins
Committer Alex Tomlins
Also add govuk_template j
Reviewed by @mnowster
1 Using worker: worker-linux-2-
2
3 $ export GOVUK_APP_DOMAIN=tes
4 $ export RUBYOPT="-rpsych"
5 $ git clone --depth=50 --bran
12 $ cd alphagov/frontend
13 $ git checkout -qf a517c9a4c
14 $ rvm use 1.9.3-p392 --insta
15 ruby-1.9.3-p392 is not insta
16 Searching for binary rubies,
17 Installing requirements for ubuntu, might require sudo password.
18 ruby-1.9.3-p392 - #configure
19 ruby-1.9.3-p392 - #download
Testing in the open



Project backlogs

Gareth Rushgrove

GDS

Performance Platform - GC

https://www.gov.uk/performance

GOV.UK

Performance Platform ALPHA

Services GOV.UK dashboard Inside Government dashboard

Welcome to the Performance Platform

Government handles over one and a half billion transactions every year, allowing the exchange of information, money, permission, goods and services. We're using data to improve them.

Performance data

The Inside Government dashboard measures usage of the Inside Government section of GOV.UK which helps users to find out how government works, what the government is doing, and how you can get involved.

GOV.UK dashboard – Perfo ×

https://www.gov.uk/performance/dashboard

GOV.UK had 6.34 million visitors last week, an increase of 4% from the week before

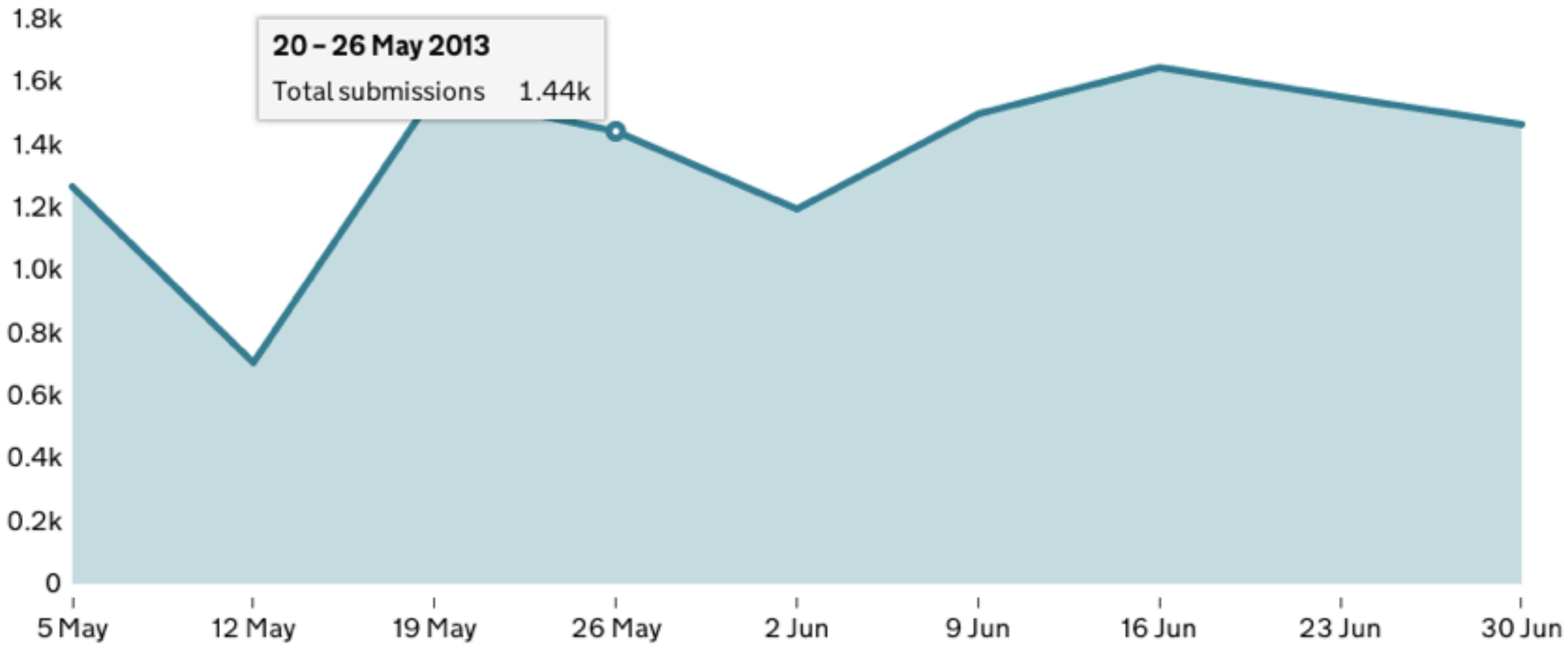
Web traffic

GOV.UK's traffic yesterday

Hourly unique visitors on Friday 5 July compared with the average of the last six Fridays

Licensing – Performance P

https://www.gov.uk/performance/licensing



Completion rate

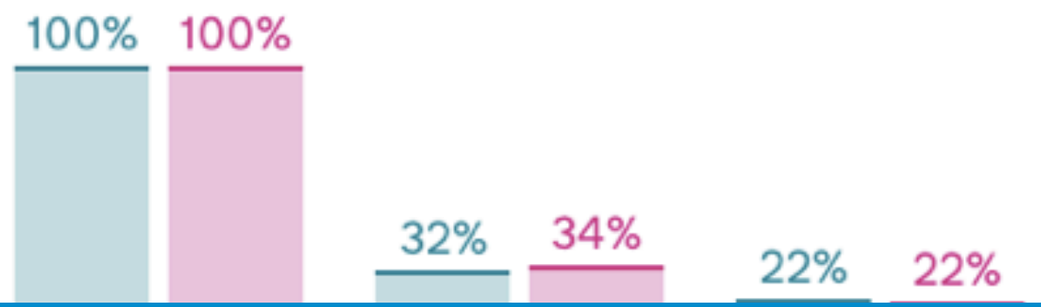
Completion rate for all submissions for last week

22%

Average completion rate

Submission drop-offs

Percentages of unique visitors at common stages of licensing submissions two weeks ago compared with last week



Tax disc – Vehicle licensing

https://www.gov.uk/performance/tax-disc

GOV.UK

Performance ALPHA

Services GOV.UK performance Transactions Explorer

Vehicle licensing Tax disc SORN

Service performance

Tax disc

Service provided by the DVLA to relicense vehicles that are kept on public roads. This service does not include first vehicle registrations.

Users on start page

Users currently on the GOV.UK Tax disc start page

557

users online now

Customer satisfaction (web)

Average satisfaction score last month

94.7% +1.06% ▲

September 2013 August 2013

Applications by channel

Tax disc applications per month broken down by channel

Last 12 months
Total

Transactions Explorer: tra

https://www.gov.uk/performance/transactions-explorer

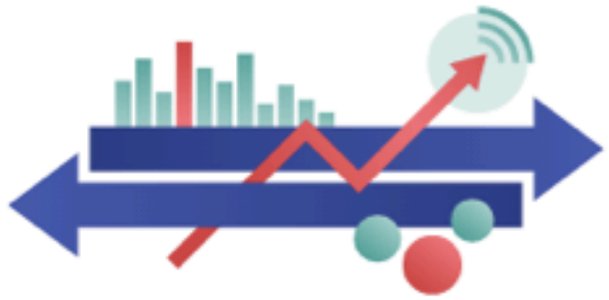
GOV.UK

Performance ALPHA

Services GOV.UK performance Transactions Explorer

Overview All services High-volume services About the data

Transactions Explorer



Illustrating service performance across government

Find a department, agency or service: e.g. driving licence Find

17
Departments

713
Services

1.41bn
Transactions per year

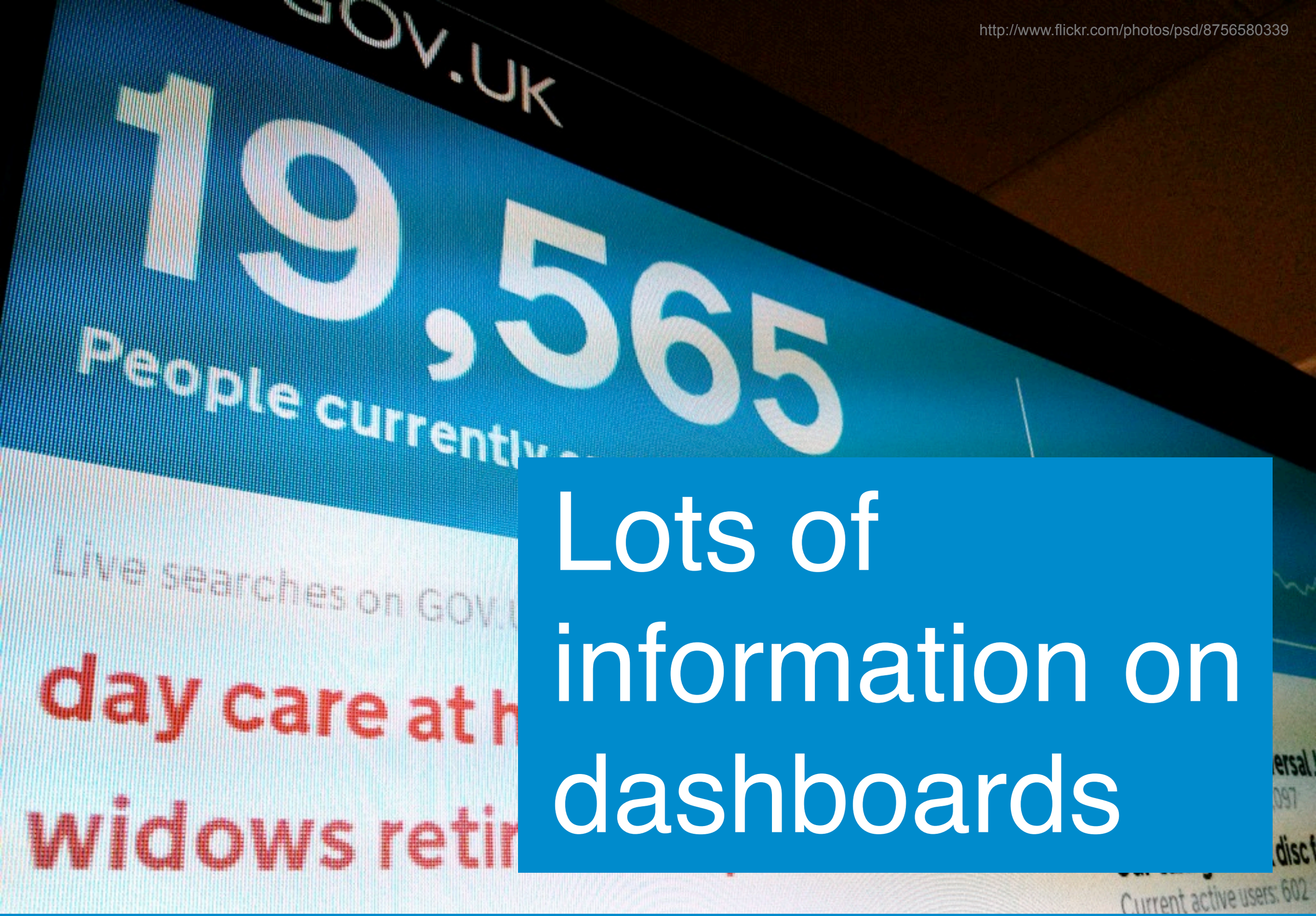
About the Transactions Explorer

This is an alpha release of data about the government's transactional services.

The data reveals the breadth of services that departments, agencies and other public bodies provide, and shows the

Connecting...

Openness inside your organisation



http://www.flickr.com/photos/psd/8756580339

Lots of information on dashboards

What did we get from being open?

Good will

Validation

Contributions

Hiring

In Summary

(Just remember this)

Devops is about the organisation

The processes in an organisation are based on what is possible

What is possible is changing all the time

Find out more

(Lots of reading for everyone)

Gareth Rushgrove

GDS

Government Service Desig ×

https://www.gov.uk/service-manual

GOV.UK

Search the service manual

Government Service Design Manual

Digital by Default Service Standard Start using the manual Feedback

From April 2014, digital services from the government must meet the new Digital by Default Service Standard.
Read the standard »

Digital by Default Service Standard

Government Service Design Manual

Build services so good that people prefer to use them

Think differently about digital delivery

Discover what it means to be part of an agile, user-focused and multidisciplinary team, delivering digital services in government.

Start building digital by default services

Making a service

Learn about the different phases of service design and get guidance for the phase you're in now.

Discovery

Devops — Government Se ×

https://www.gov.uk/service-manual/operations/devops.html

GOV.UK

Government Service Design Manual

Search the service manual

Digital by Default Service Standard Start using the manual Feedback

Home > Operations

Devops

Bringing development and operations together

Contents

Culture

Automation

Measurement

Sharing

Why we do this

Good habits

Warning signs

Many large organisa
development, quali
many cases the ove
incentives of the dif
mountain of interco
units may be geogra
organisations or un
structures.

Devops is a cultural
out of these frustrations. It is not a methodology or framework,
rather some high minded principles and a willingness to break down

Even contains a definition of **devops**

Gareth Rushgrove GDS

Questions?

(and thanks for listening)

Cabinet Office

Gareth Rushgrove
Technical Architect
Government Digital Service
@garethr