

IF GOVERNMENT CAN DO IT...

Gareth Rushgrove (@garethr)
Government Digital Service

If Government can do it...

Technical change in large
organisations

Who

(Who is this person?)



Cabinet Office

Gareth Rushgrove
Technical Architect
Government Digital Service
@garethr



@garethr

CIVIL SERVICE — CLUB —

MEMBERSHIP AVAILABLE TO ALL
WORKING & RETIRED CIVIL SERVANTS

— SEE INSIDE FOR DETAILS —

Gareth Rushgrove
garethr

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

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

Organizations

Contributions Repositories Public Activity Edit Your Profile

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 middleware 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.](#)

663 Total 9 days 0 days

garethr/nginx-json-proxy x

← → ↻ **GitHub, Inc. [US]** <https://github.com/garethr/nginx-json-proxy> I ☆ 🔑 ☰

🐙 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



A list of base boxes for Va x

www.vagrantbox.es

I ☆ 🔑 ≡

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.

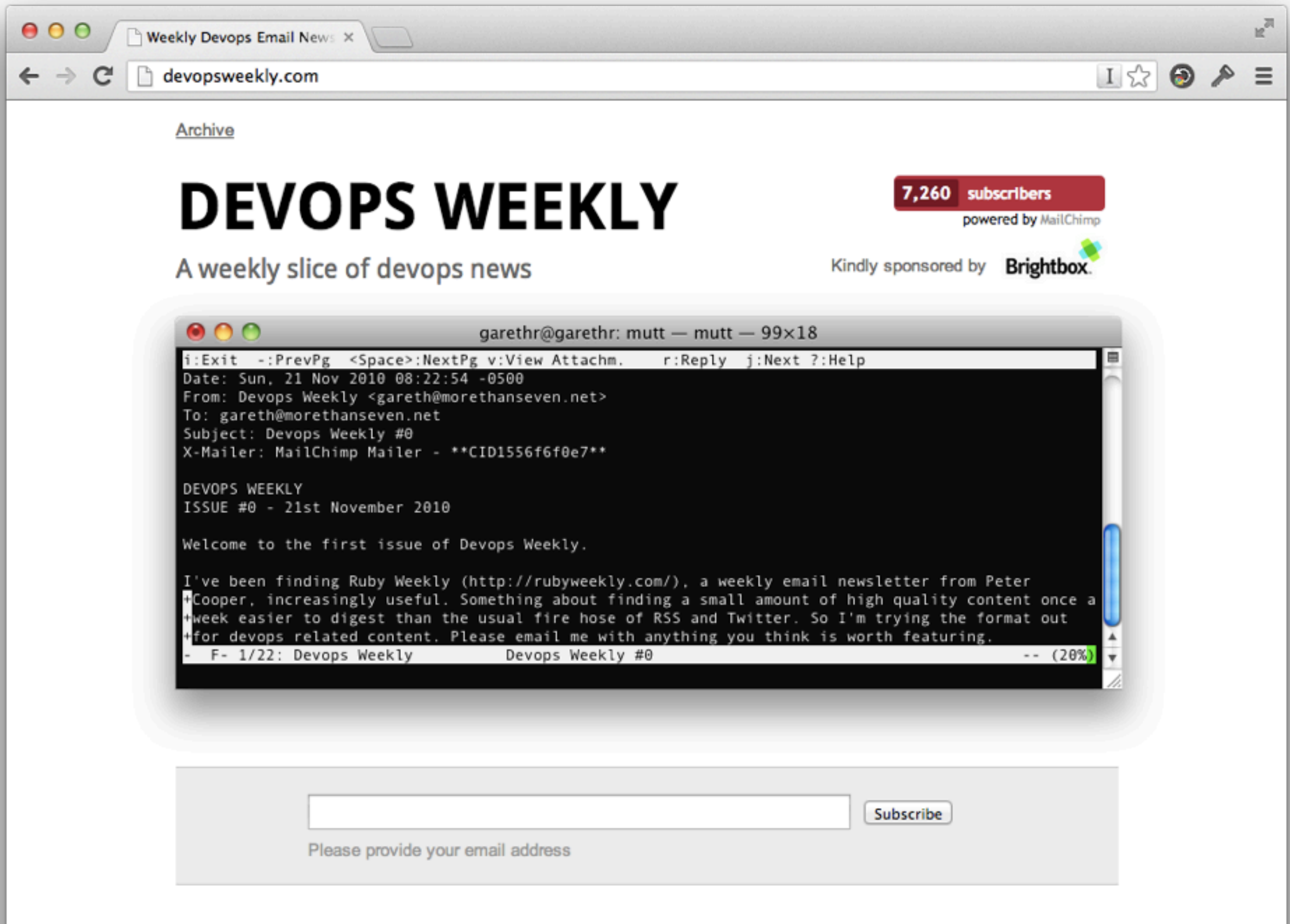
Available Boxes

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)	<div>Copy</div> http://ergonlogic.com/files/boxes/aegir-current.box

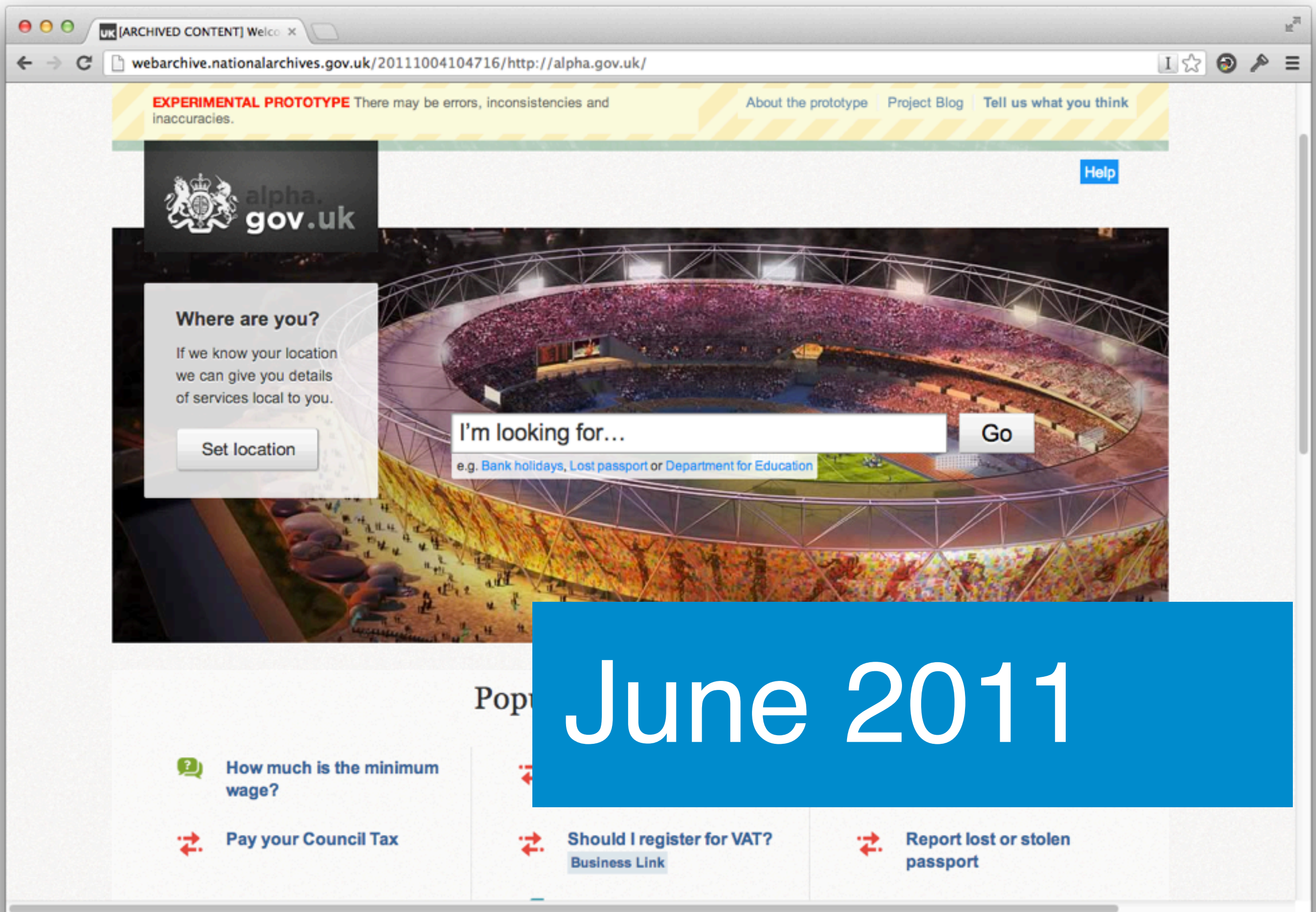


Background

(A startup in Government)







June 2011

I joined. Team of
about 10 people

August 2011



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

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[Life in the UK](#) [Money and tax](#)
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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](#)

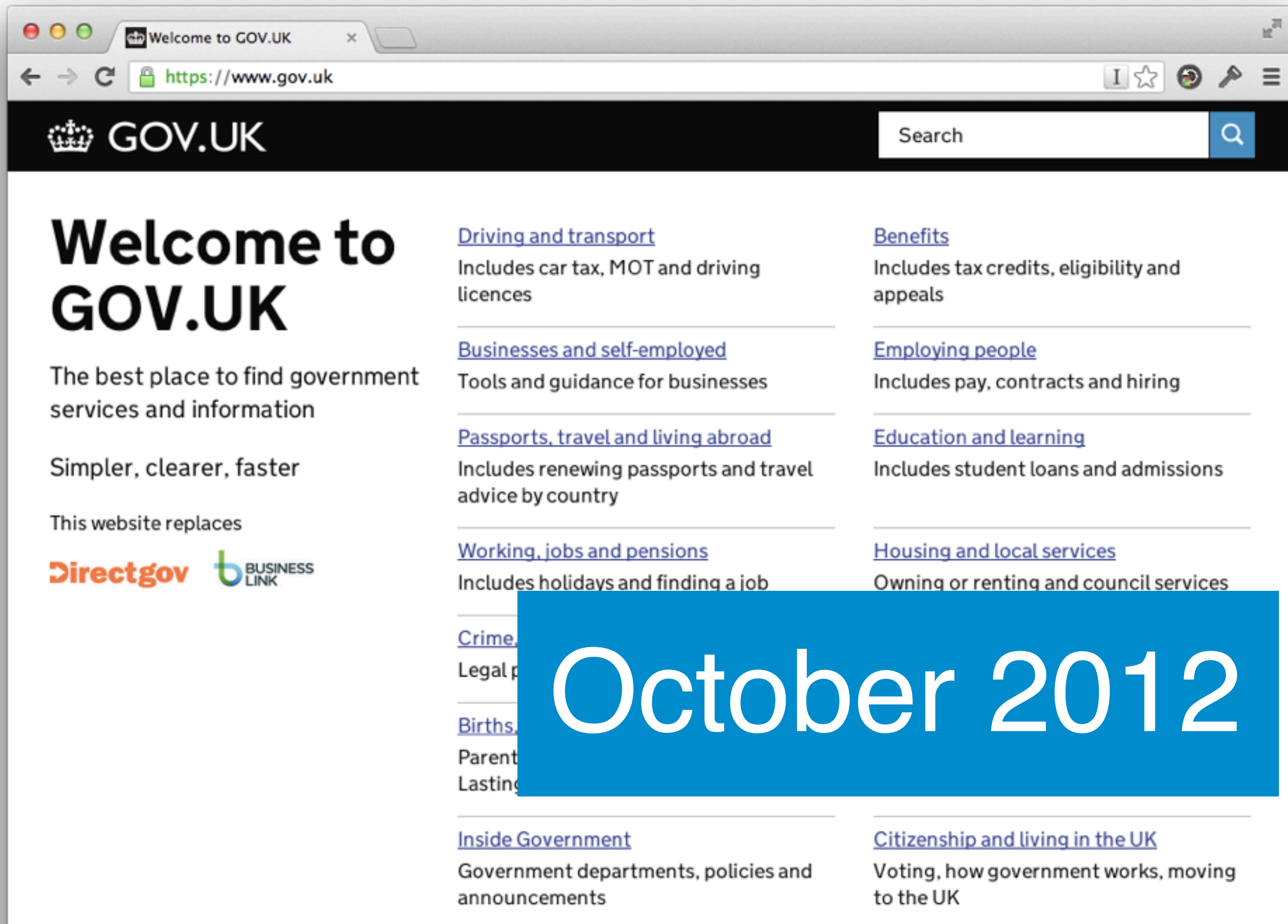


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January 2012

GDS

(Government Digital Service)



Student finance calculator x

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

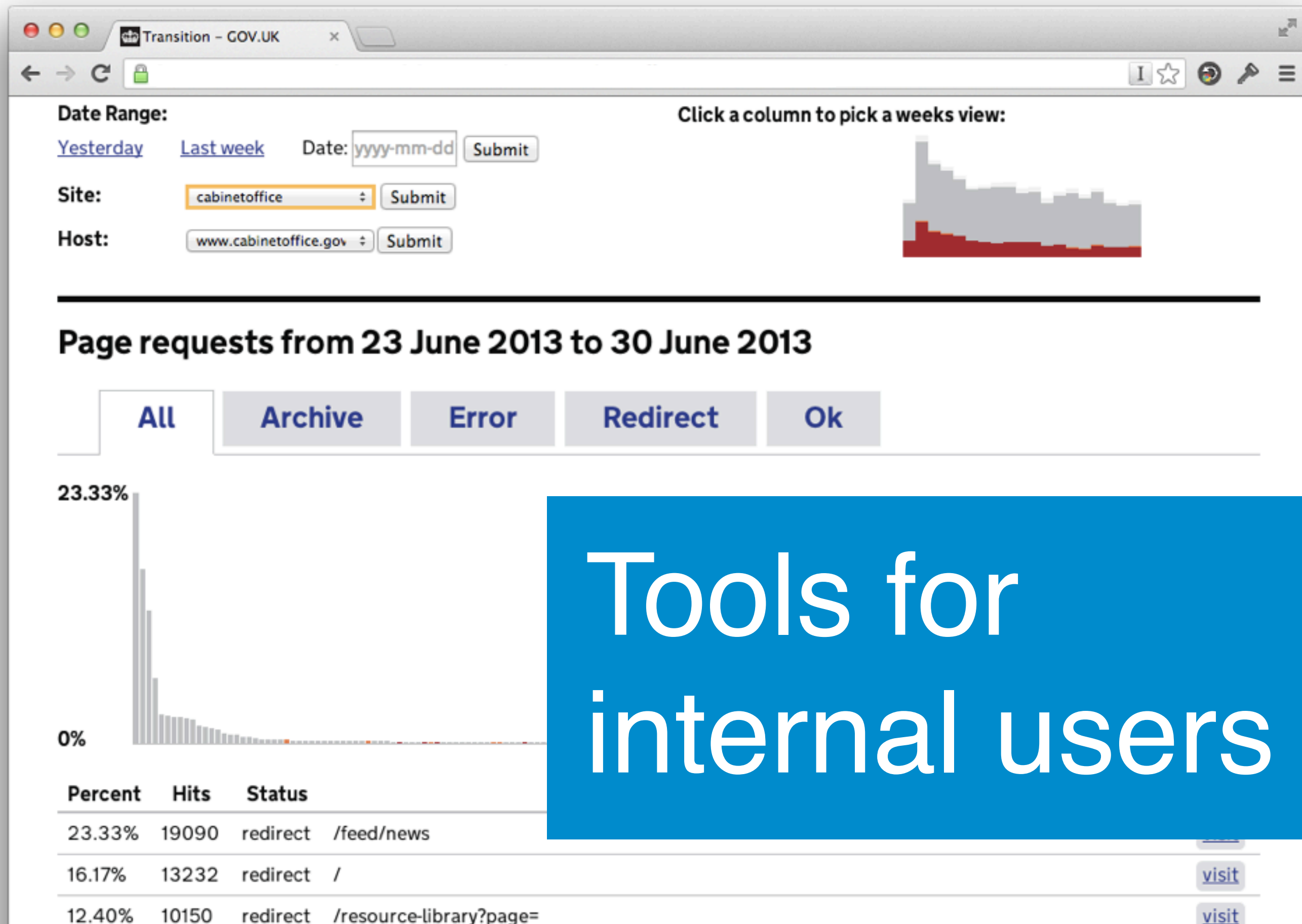
☐ UK student part-time

☐ EU student full-time

☐ EU student part-time

Next step

Tools for
citizens



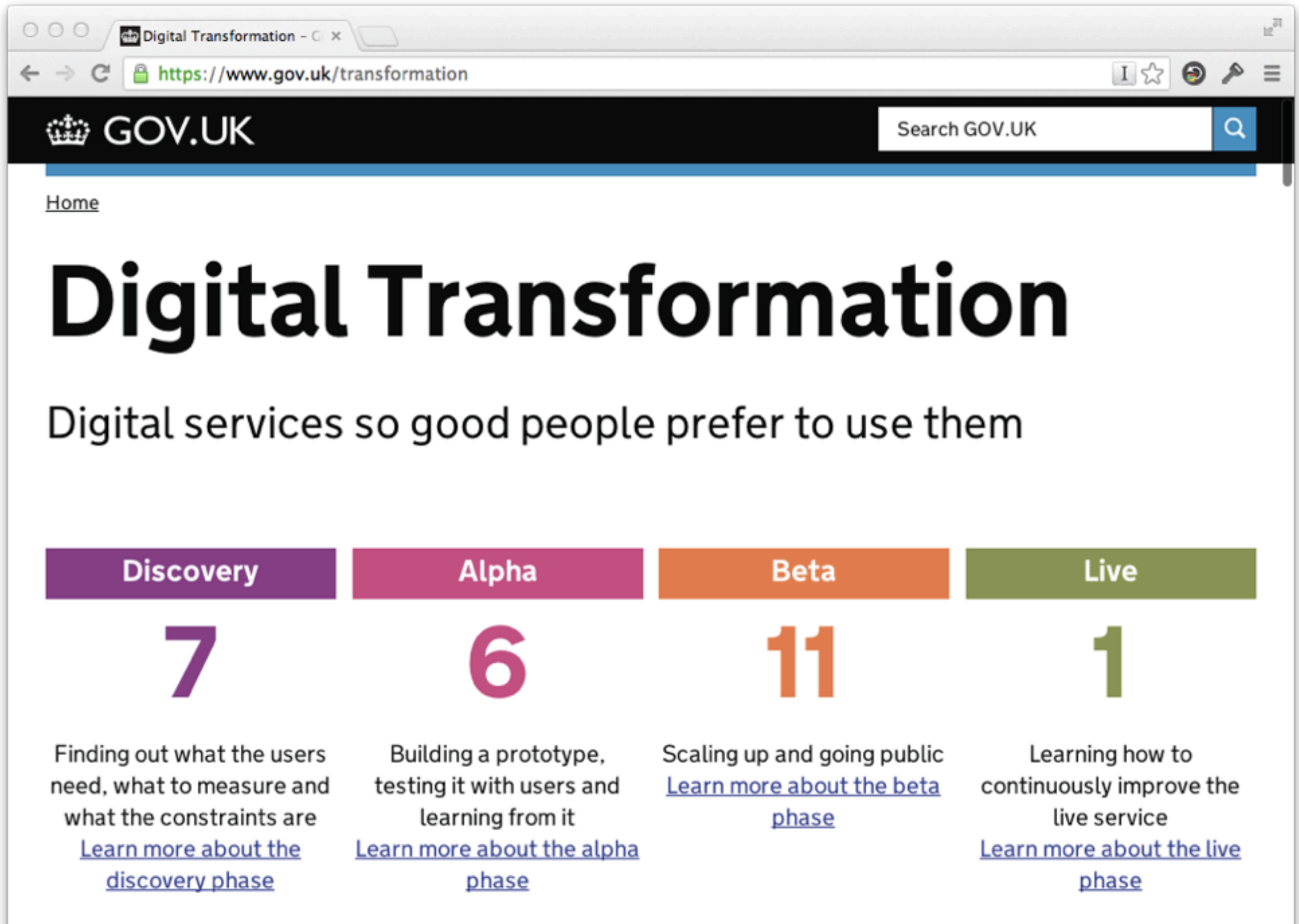
Tools for
internal users



Award
winning

Organisation of about 250 people

October 2013



What

(What is this talk about again?)

1

Adopting agile in a large organisation

2

The importance of rapid releases

3

Why auditors love infrastructure as code

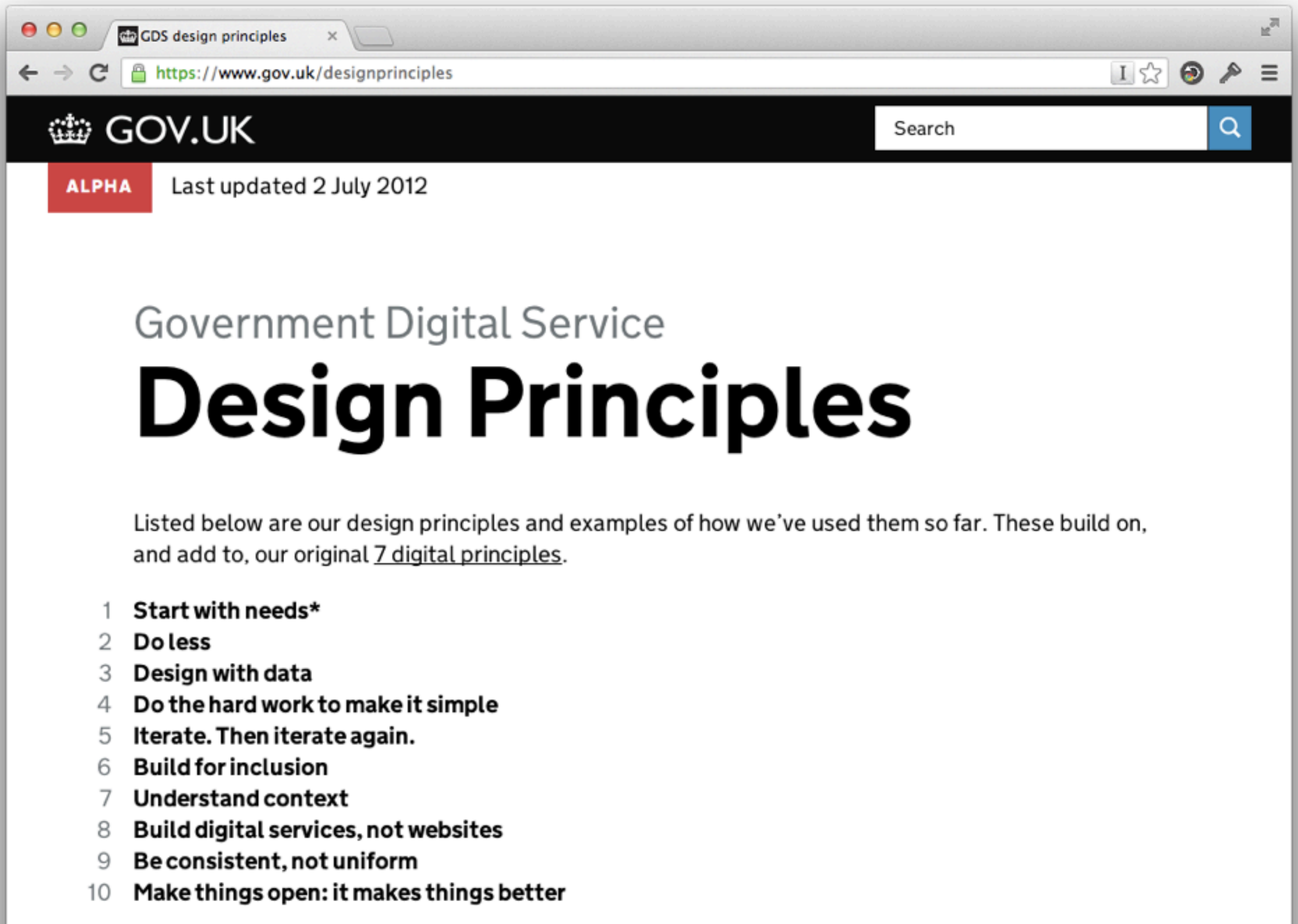
4

How being open
makes everything
better

If government can

Work in an agile manner

(Scaling agile)

A screenshot of a web browser displaying the GOV.UK Design Principles page. The browser's address bar shows the URL https://www.gov.uk/designprinciples. The page header includes the GOV.UK logo, a search bar, and a red 'ALPHA' badge with the text 'Last updated 2 July 2012'. The main heading is 'Government Digital Service Design Principles'. Below this, a paragraph states: '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](#).' A numbered list of 10 principles follows.

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**

Start with the needs*



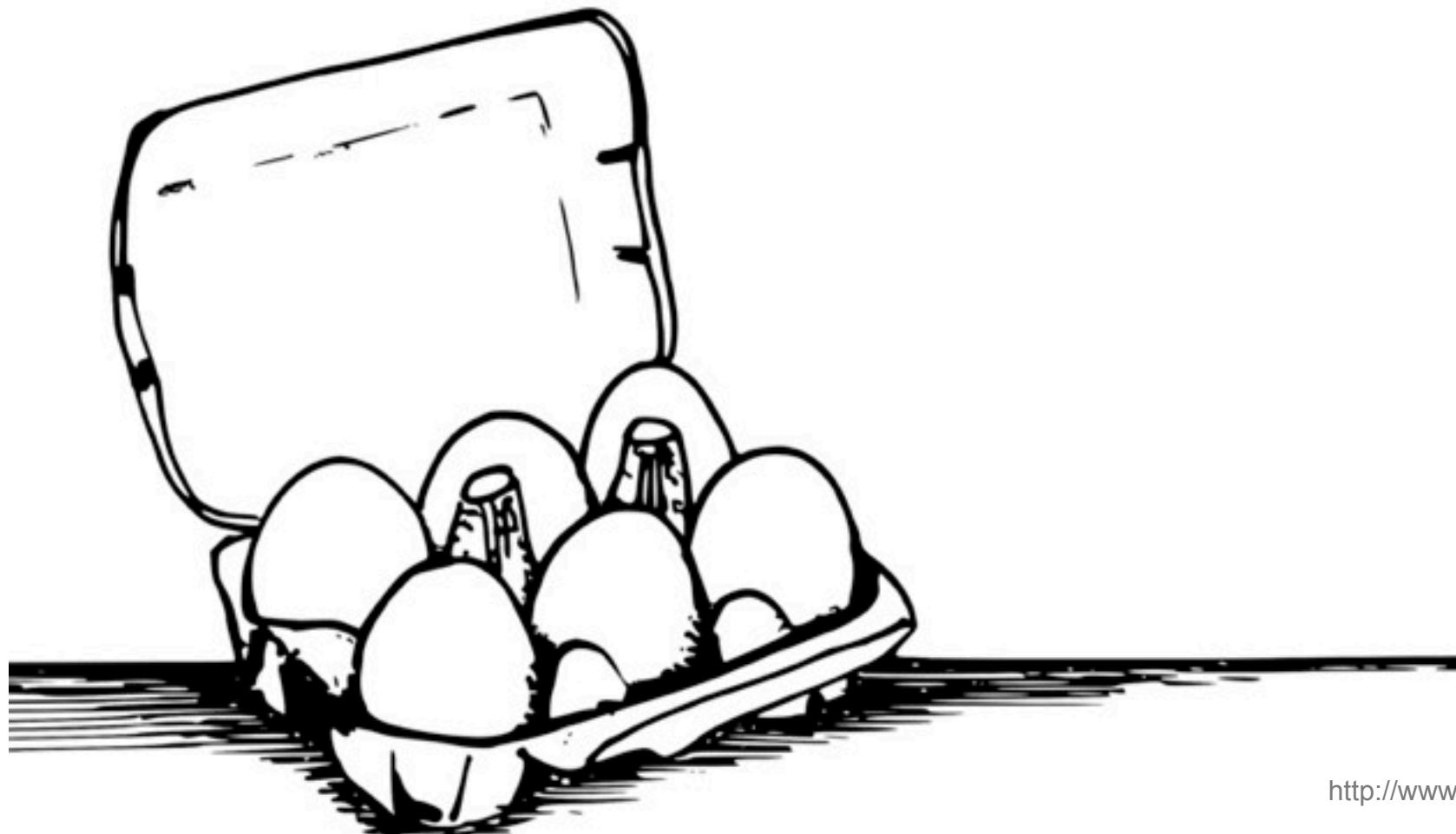
***user needs, not
government needs**

**Do the
hard work
to make it
simple**

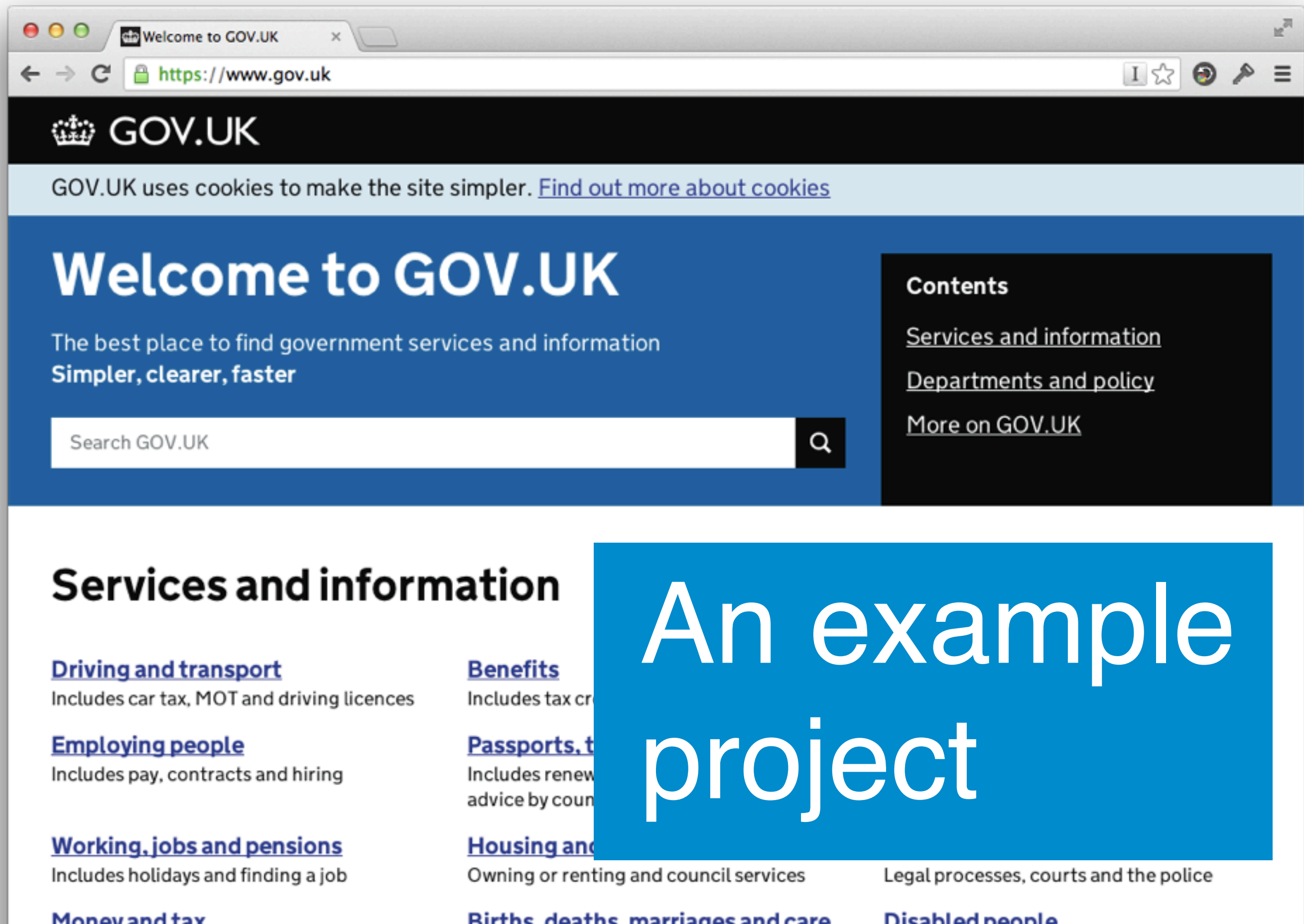


<http://www.flickr.com/photos/psd/9104280608>

Do less

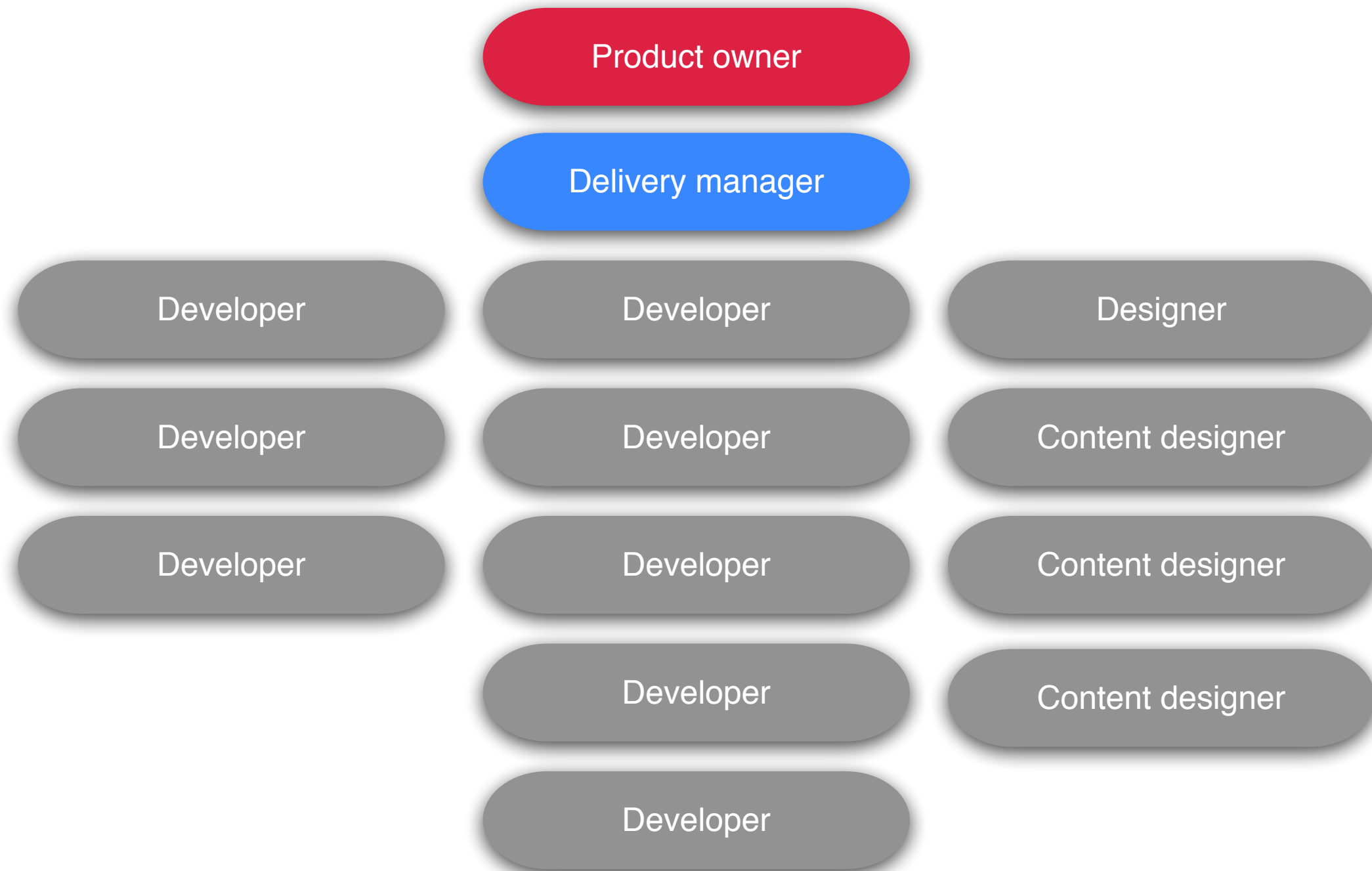


<http://www.flickr.com/photos/psd/9109319242>



An example project

**From one team of
about 14**



**To 140 people in 14
teams**



All in about a year

Web operations team
just another product
team



With web operations
people in other teams
when required



And with developers
also working on
operations tasks

Someone in charge

Information
assurance, legal,
procurement,
programme support



Governance

Board member

Board member

Board member

Board member

Board member

Board member

Board member

Board member

Programme owner

Product owner

Product owner

Product owner

Product owner

Product owner

Delivery 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

Developer

Content designer

Content designer

Developer

Content designer

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

**Now working out how
to scale that across
multiple organisations**

What we've learnt about scaling agile

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

Government Digital Service

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

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

Things that worked

Avoiding dependencies

Understand interfaces

People AND software

Multi-disciplinary teams

Many small services

Ability to throw
things away

Trust

If government can

Release quickly

(Change control is fun)

**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

RETWEETS

1

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

Deploy [Jenkins]

← → ↺

🔍 search

🔔 ?

🔑

☰

Jenkins

Deploy

ENABLE AUTO REFRESH

add description

New Job

People

Build History

Edit View

Delete View

Project Relationship

Check File Fingerprint

Manage Jenkins

My Views

Disk usage

Build Queue

No builds in the queue.

Build Executor Status

#	Master
1	Idle
2	Idle
3	Idle

Slave 1

1	Building Smokey Preview #13143
2	Idle
3	Idle

Slave 2

1	Idle
2	Idle
3	Idle

Slave 3

1	Idle
2	Idle
3	Idle

All

Commands

Deploy

Infrastructure

Java

Libraries

Services

Transition

dashboard-screens

datainsight

+

S	W	Name ↓	Last Success	Last Failure	Last Duration	
🟢	☀️	DeployErtp	4 days 19 hr (#967)	1 mo 16 days (#922)	40 sec	🔄 🔄
🟢	☁️	DeployLicensify	1 hr 22 min (#1181)	13 hr (#1179)	28 sec	🔄 🔄
🟢	☀️	DeployPlaces	2 mo 7 days (#75)	4 mo 6 days (#69)	24 sec	🔄 🔄
🟢	☀️	Preview_Deploy	5 min 24 sec (#10173)	2 days 20 hr (#10154)	3 min 3 sec	🔄 🔄
🟢	☀️	Preview_Deploy_Puppet	1 hr 22 min (#1593)	2 days 22 hr (#1584)	46 sec	🔄 🔄
🟢	☀️☁️	Production_Deploy	3 days 22 hr (#1153)	3 days 22 hr (#1152)	1 min 35 sec	🔄 🔄
⚪	☁️🌧️	Production_Deploy_Puppet	3 mo 6 days			
🟢	☀️	redirector-deploy	18 min (#3)			
🟢	☀️	Router_Deploy	3 mo 27 da			
⚪	☁️🌧️	Staging_Deploy_Puppet	N/A			

Icon: [S](#) [M](#) [L](#)

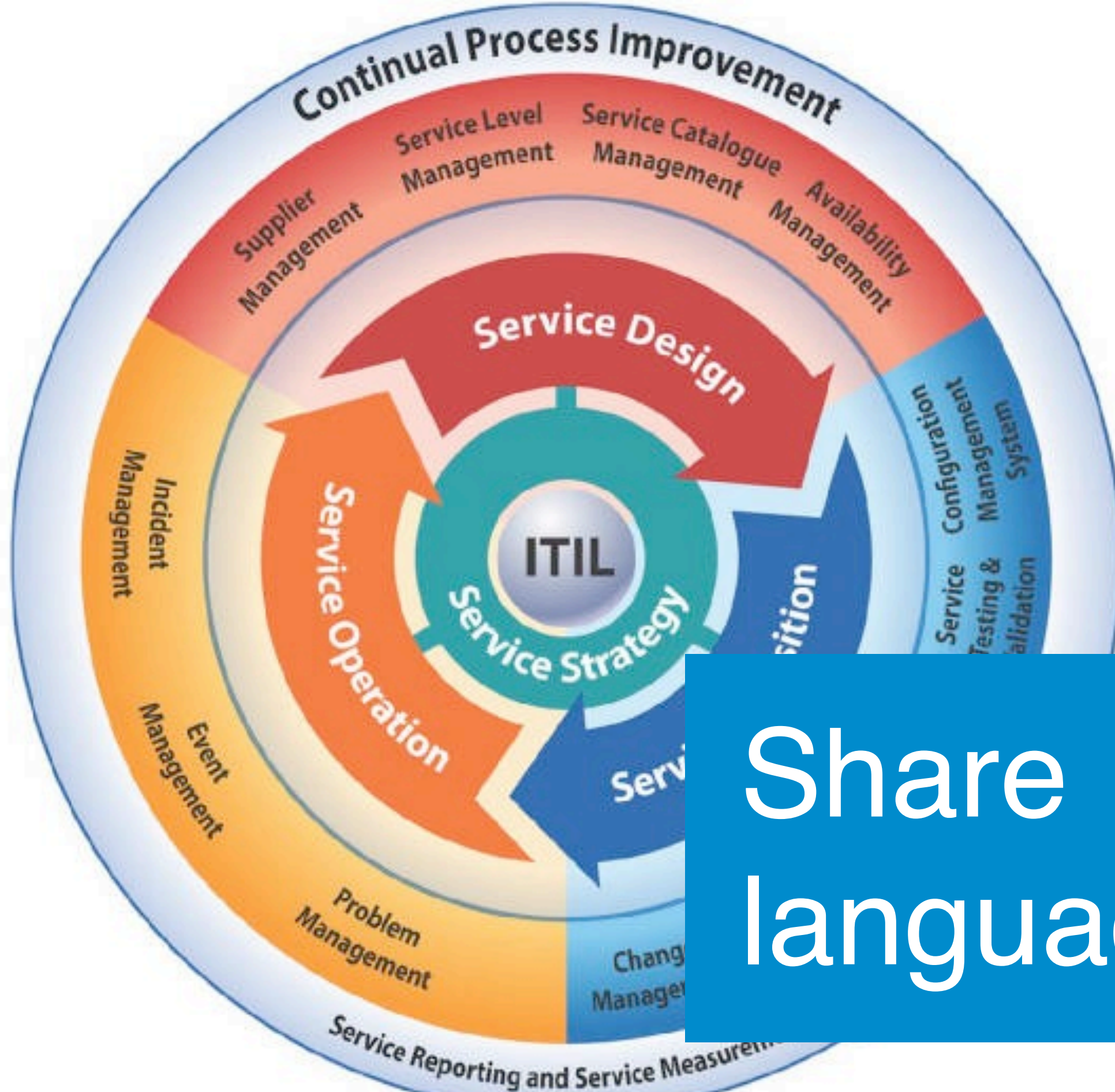
One place to deploy

Zero click deploy for early parts of pipeline

One click deploy with
suitable processes
and access controls

Talk about operations

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



Regular Releases Reduce Risk

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

Government Digital Service

Home About GDS GDS projects

Regular Releases Reduce Risk


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.

means it's time for @GVRBracken'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

 **Richard Stirling**
@Richards

Follow

Because everyone
understands practice

If government can

Treat everything as code

(The importance of process)

Configuration management

≡ **Ansible**Works



SALTSTACK



CFEngine®

Chef

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

```
service { 'apache2':  
  ensure      => running  
  provider    => upstart  
  require     => Package[apache2]  
}
```

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":  
  "platform":  
  "class":  
  "zone":  
  "vm_name":  
  "ip":  
}
```

```
"client",  
"production",  
"backend",  
"backend",  
"backend-1",  
"xx.x.y.y"
```

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.xx.xx.xx" },
      :translated => { :ip => "10.0.0.xx" },
      :desc => "jenkins, logging"
end

```

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" do
    source      :ip => "Any"
    destination :ip => "xx.xx.xx.xx"
  end

  rule "https to backend applications"
```

Virtual firewalls

@normal

Scenario: check quick answers load

When I visit "/vat-rates"

Then I should see "VAT rates"

Smoke tests and monitoring

@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 Release

GOV.UK ReleaseApplicationsSigned in as Gareth RushgroveServices

Frontend (frontend)

<https://github.com/alphagov/frontend>

Edit

Commit Log

Deployed to	Tags	Commit
	release_1287	Cleanup spelling suggestion tests4623a50ecc885a421d9813d10fee3ac87575f46b
	release_1286 release_1285	Merge pull request #386 from alphagov/correctly_disable_cache_in_dev7a9cd2c5561581f118a7934984b6bfc6fadd4cb49
		Correctly disable the cache in developmentc36e7bf9f9736bd3055b9a15209d4a714fc31cd8
	release_1284	Merge pull request
	release_1283	Merge pull request
		changed destination
		remove workplan
		Update homepage
staging at 2:12pm - 4 Jul production at 2:36pm - 4 Jul	release_1282 release_1281	Merge remote branch

App showing deploys

Puppetboard

0.0.0.0:5000/node/puppetdb.nedap.local

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...

CMDDB

Copyright © 2013 Daniele Sluijters.

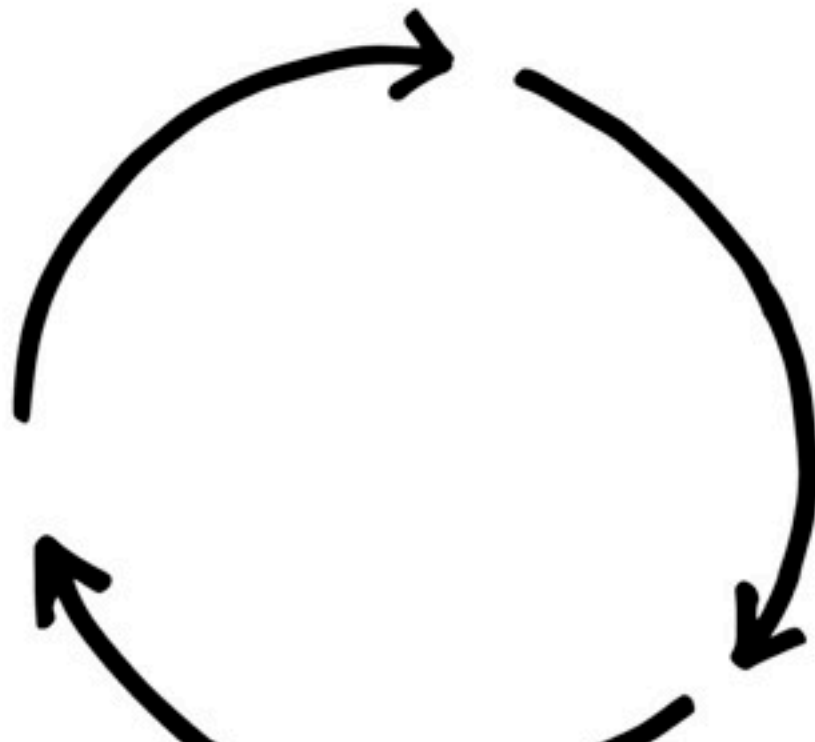
Live from PuppetDB.

If government can

Work in the open

(The benefits of openness)

**Make things
open,
it makes
them better**



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

Government Digital Service x

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

Mike Bracken Friday video message 5 July 2013

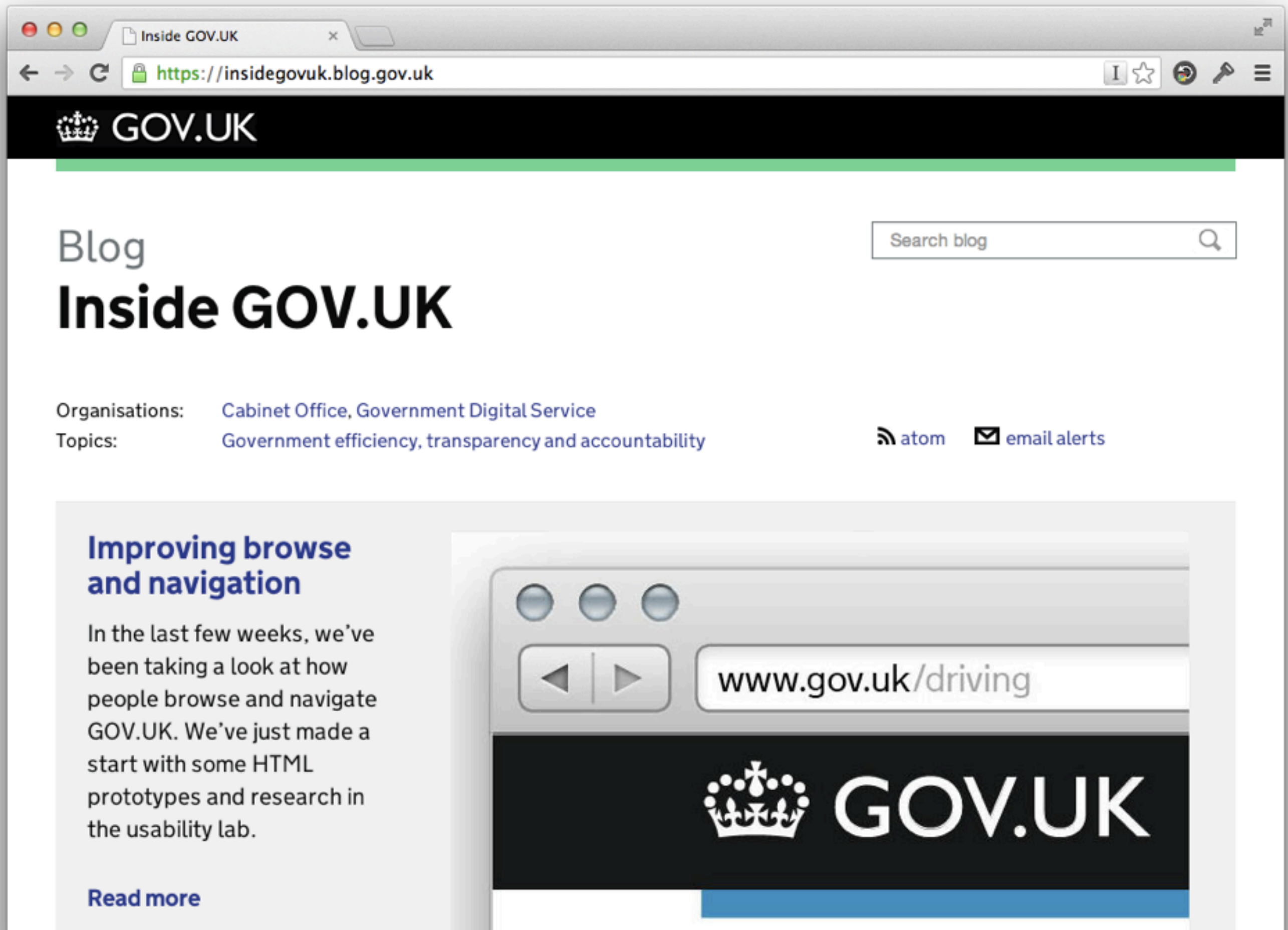


@GDSTeam on Twitter

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 claimants



Coding in the open | Gover x

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

Government Digital Service

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[Cabinet Office homepage](#)

[Twitter](#) [RSS](#)

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 source software and, to a degree, built as open source software. It's a topic we're passionate about because it helps us maintain our focus on user needs, helping us to quickly test and iterate software and systems.

The software world has a rich and growing range of tools to build your software on. From operating systems such as [GNU/Linux](#), web servers such 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, [@liamax](#) writes about it here :

alphagov/whitehall

GitHub, Inc. [US] <https://github.com/alphagov/whitehall>

This repository Search or type a command Explore Gist Blog Help

garethr

alphagov / whitehall Watch Star 106 Fork 19

Inside Government: how the UK Government works, what it's doing, and how you can get involved.
<https://www.gov.uk/government/> — Edit

1000+ commits 126 branches 4,697 releases 48 contributors

branch: master whitehall

Merge pull request #639 from alphagov/remove-validation-tokenizer

tekin authored a day ago

app	Remove tokenizer used when validating
config	Correct Belarusian language name
db	Fix Somalian embassy slug correctly
docs	Rename /doc/ to /docs/ and ignore yard
features	Add screenshot helper for cucumber @j
lib	Merge pull request #627 from alphagov/
log	Quite literally the initial commit.
public	Restore default error page templates 4 months ago
script	Revert "Revert "Merge pull request #571 from alphagov/rails-upgrade"" 16 days ago

Subversion, and other methods.

Clone in Desktop

Publishing tools

The screenshot shows a web browser window displaying the GitHub repository page for `alphagov/smart-answers`. The browser's address bar shows the URL `https://github.com/alphagov/smart-answers`. The repository page includes a header with the repository name, a search bar, and navigation links like 'Explore', 'Gist', 'Blog', and 'Help'. Below the header, there are statistics for the repository: 1000+ commits, 20 branches, 835 releases, and 36 contributors. A pull request merge interface is visible, showing a pull request from `alphagov/flow_registry_improvement` (pull request #450) being merged into the `master` branch. The pull request was authored by KushalP a day ago. A list of files and their descriptions is shown, including `app` (Render the HTML before interpolating facts), `config` (Add an initialiser for the fact_cave), `db` (Initial blank rails app.), `doc` (Initial blank rails app.), `lib` (Prevent FlowRegistry scanning the filesystem), `log` (Initial blank rails app.), `public` (Remove dangling symlinks), and `script` (Initial blank rails app.). A large blue overlay with the text 'Frontend applications' is positioned on the right side of the page.

Frontend applications

Screenshot of a GitHub repository page for `alphagov/gds-boxen`. The page shows the repository is a fork of `https://github.com/boxen/our-boxen`. It displays 574 commits, 2 branches, 0 releases, and 26 contributors. The repository is currently on the `master` branch. A recent commit by `alexmuller` is shown, titled "Add some new Performance Platform repos". The commit message lists several folders and their purposes:

- `config`: Default to `~/govuk` for `srcdir` (where p...
- `docs`: Updates rails docs for consistency
- `lib`: Preserve `lib/` or Puppet will create it a...
- `manifests`: Fix the stupid heira warning most of t...
- `modules`: Add some new Performance Platform
- `script`: Do not install bundler on every run
- `shared`: Things managed by `librarian-puppet` g...
- `vendor`: Bump puppet-ruby for performance re...

The repository also includes a `.gitignore` file with the comment "[samjsharp] Install XtraFinder". The page is overlaid with a large blue box containing the text "Developer environment".

gds-operations/puppet-syntax

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 mutiple Ruby/F
CHANGELOG	Release 1.0.0
Gemfile	Test against mutiple Ruby/F
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-service-design-manual

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
README.md	Update breadcrumb to user-centered-design

18 days ago

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> I ☆ 🔑 ≡

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	Commit	a517c9a (master)
State	Passed	Compare	cb843af60d00...a517c9a4cec4
Finished	2 days ago	Author	Alex Tomlins
Duration	4 min 8 sec	Committer	Alex Tomlins
Message	Bump slimmer to fix text issues.		

Also add govuk_template.js

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

Performance Platform - GOV.UK

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.

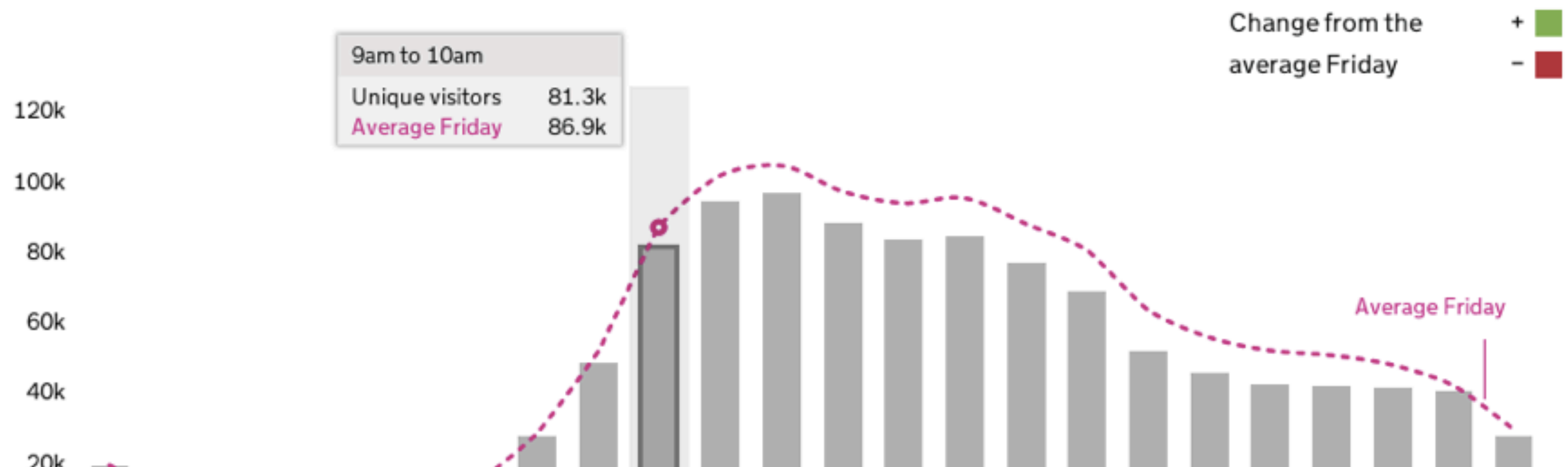


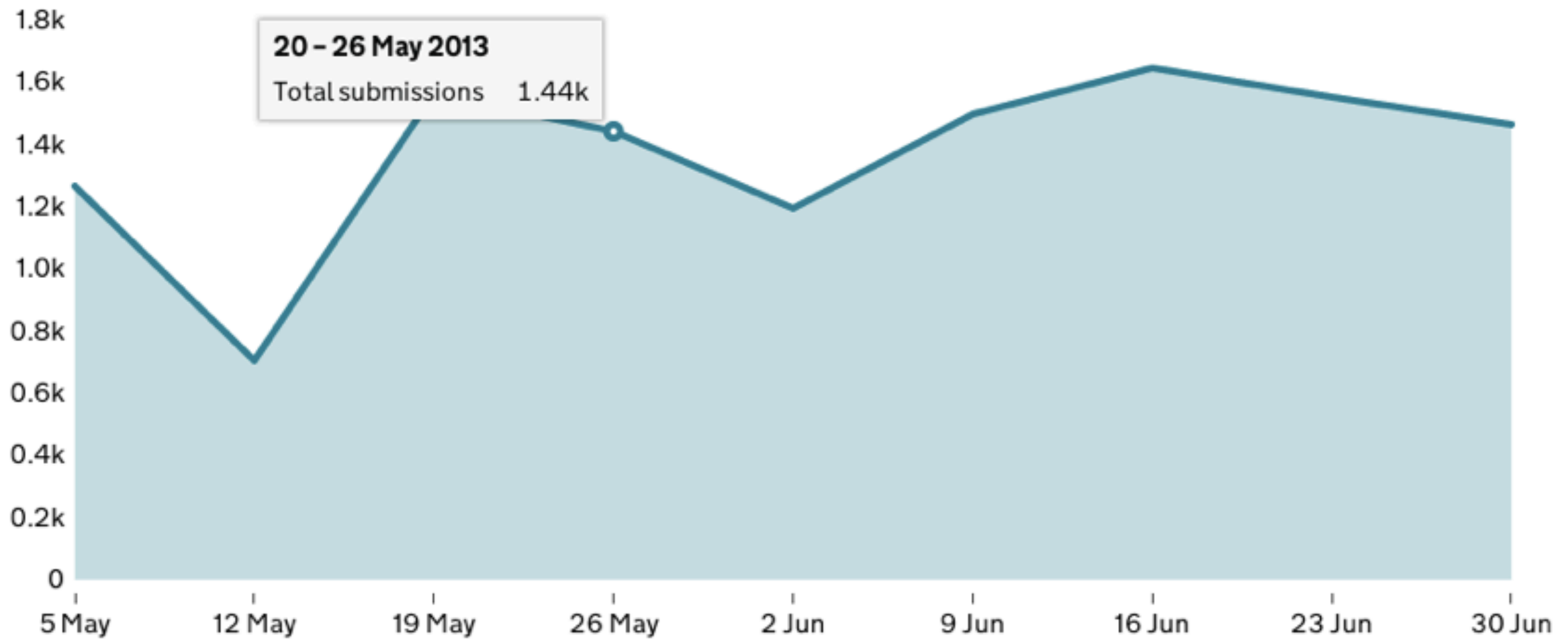
GOV.UK had 6.34 million visitors last week, an increase of 4% from the week before

Web traffic

GOV.UK's traffic yesterday

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





Completion rate

Completion rate for all submissions for last week

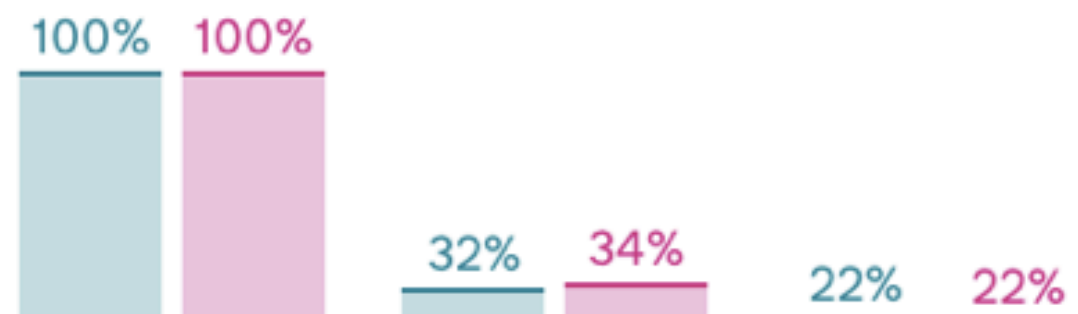
22%

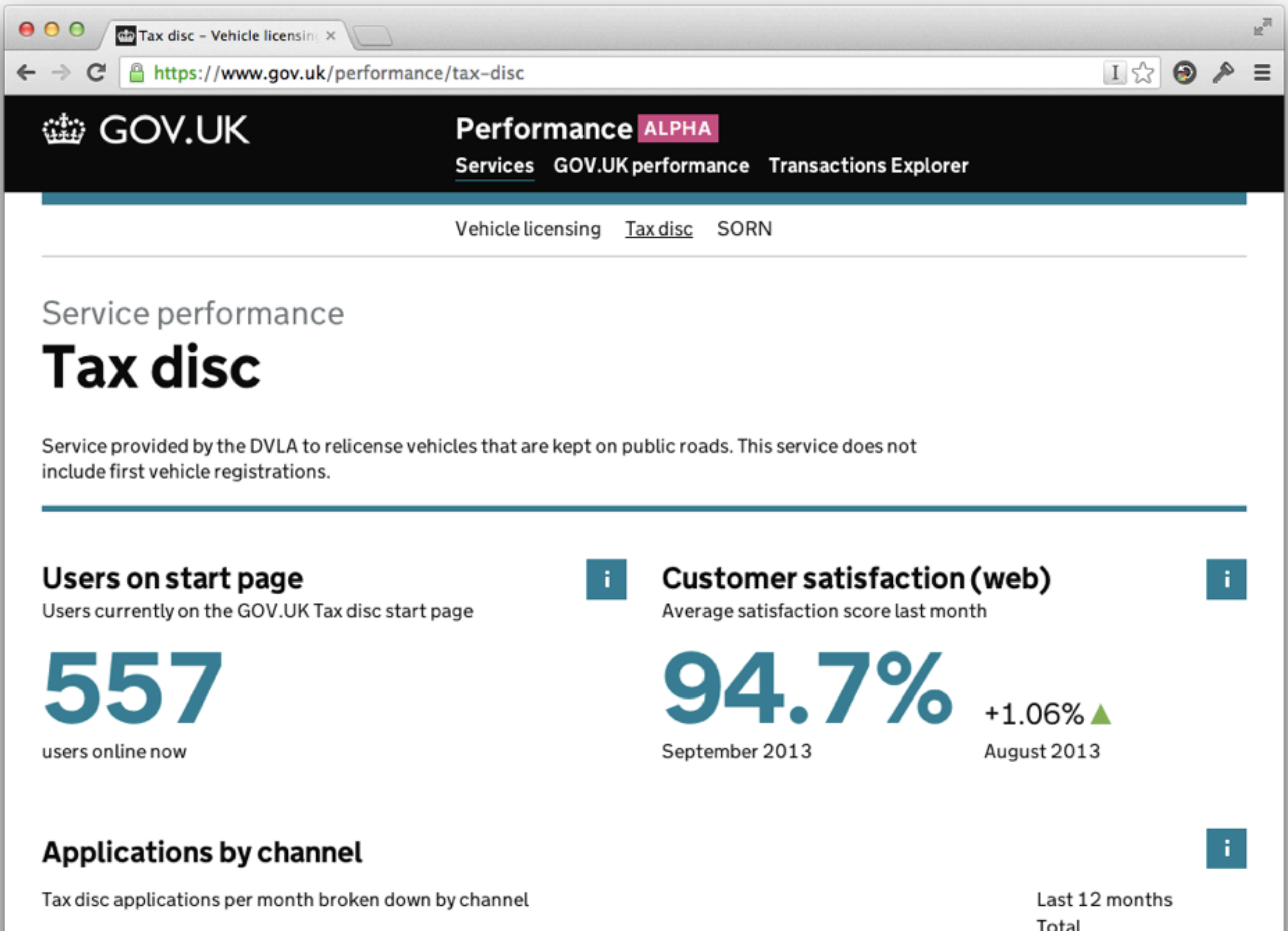
Average completion rate



Submission drop-offs

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





Transactions Explorer: tran x

← → X <https://www.gov.uk/performance/transactions-explorer> I ☆ ↺ 🔑 ≡

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:

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...

Each year. Data on costs and the level of online use is also available for most



Openness inside your organisation



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)

Government Service Design x


← → ↻ <https://www.gov.uk/service-manual> I ☆ 🔑 ≡

 **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 Ser x

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

GOV.UK

Government Service Design Manual

Digital by Default Service Standard Start using the manual Feedback

Search the service manual

Home > Operations

Devops

Bringing development and operations together

Contents

- Culture
- Automation
- Measurement
- Sharing
- Why we do this
- Good habits
- Warning signs

Many large organisations struggle with development, quality and speed. In many cases the overwhelming incentives of the different departments create a mountain of intercomplaints. Units may be geographically separated, or different organisations or units may have different structures.

Devops is a cultural change that comes 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

Questions?

(and thanks for listening)



Cabinet Office

Gareth Rushgrove
Technical Architect
Government Digital Service
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