

Why a workshop?

- Demonstrate the cloud.gov
 - Workflow
 - Architecture
- Not a training course, an appetizer
 - Enough that you could use a **sandbox**
 - Enough cloud.gov
 - they you'll ask more questions, and
 - that you'll pursue for **your** agency

**As federal PM/Developer/CISO,
I want some hints on logistics
So that I can participate in the
workshop**

Have visible:

- The **powershell** (Windows), **iterm** (Mac) or **terminal** (Mac) window
- The webpage with YouTube Live
- The webpage with lab notes, listed in footer, below

See next page for example

Secure | https://www.youtube.com/watch?v=... 10 Apps 18F Handbook Boards Notifications

YouTube Search Up Grid Bell 2

Live in 2 days September 28, 9:00 AM Set reminder

GitHub, Inc. [OS] https://github.com/18F/cg-workshop/plop/mr 10 Apps 18F Handbook Boards Notifications GoogleActionIt

1 contributor

763 lines (502 sloc) | 15.8 KB Raw Blame History

```
15:33 $ cf help
cf version 6.26.0+9c9a261fd.2017-04-06, Cloud Foundry command line tool
Usage: cf [global options] command [arguments...] [command options]

Before getting started:
config      login,l      target,t
help,h      logout,lo

Application lifecycle:
apps,a      run-task,rt   events
push,p      logs
start,st    ssh
stop,sp     app
restart,rs  env,e
restage,rg  scale

Services integration:
marketplace,m
services,s
create-service,cs
update-service
delete-service,ds
service
bind-service,bs
create-user-provided-service,cups
update-user-provided-service,uups
create-service-key,csk
delete-service-key,dsk
service-keys,sk
service-key
bind-route-service,brs
```

I want to have a *command line utility* installed

So that I can *deploy apps into cloud.gov*



If you're using an Amazon Workspace

- Use your local browser for YouTube, Notes
- Don't use the webclient, unless you must
- Set up your Workspace and powershell as in the following video

Search results - peter.burkhol... X Peter GSA

Secure https://mail.google.com/mail/u/0/#search/in%3Ainbox+workspace/15ebae138d3792d8

Amazon Workspace

in:inbox workspace

Mail ▾

COMPOSE

Inbox (14) Starred Sent Mail Drafts (35) More ▾

Using 1.74 GB

Inbox Your Amazon WorkSpace - Dear Amazon WorkSpaces User, A new Amazon Wo 5:11 pm

Terms of Service - Program Policies

Powered by Google™

Last account activity: 0 minutes ago Details

Peter +

2 Invites Ryan Day - ICSF, Clin...

Video timestamp 01:53

Why the cf_ CLI?

**I want a cloud.gov account
So that I can use cloud.gov**

1. Sign up for an account

Let's assume you don't have an account, and aren't with GSA, EPA or FDIC.

I'll walk through these steps.

If you already have an account, please make sure you can reach:

- <https://dashboard.fr.cloud.gov>

1: Sign up for an account ...

Visit: <https://account.fr.cloud.gov/signup>



CLOUD.GOV

Get access to cloud.gov

People with U.S. federal government email addresses can get access to a free sandbox space. The sandbox gives you a limited way to try the service. Others must be invited to collaborate by existing cloud.gov users.

Learn more about [who can use cloud.gov](#) and [how existing users can invite you to collaborate on their projects](#).

peter.burkholder@cao.gov

[SEND MY INVITE](#)



Your invitation has been sent



Please check your email for instructions to set up your
account.

Hello!

You've been invited to join [cloud.gov](#).

[cloud.gov](#) is a service by 18F that helps federal teams create and deliver quality digital services securely hosted in the cloud.

Your next steps

1. **Accept the invitation** - [Accept your invite](#) to continue the registration process. (The invitation will expire after 24 hours.) You can also copy the URL below and paste it into your browser's address bar:
https://account.fr.cloud.gov/redeem-invite?verification_code=f5a030620f7b4ae894c083d7eb3214b1
2. **Read the documentation** - After you register and log in, review the [acceptable uses and rules of behavior](#).
3. If you signed up for a trial space (a sandbox), **make sure you understand the [sandbox policies and restrictions](#)**.
4. Then [set up your access and get started](#).

If you run into problems or have any questions, please email us at [cloud-gov-](#)



CLOUD.GOV

cloud.gov account invitation

Redeem your invitation



Create your cloud.gov account

Email: peter.burkholder@cao.gov

Password

Password must meet the
following requirements:

- At least **1 special letters**
- At least **1 uppercase letters**
- At least **1 lowercase letters**
- At least **1 numbers**
- At least **20 characters long**

Confirm



CLOUD.GOV

Create your
cloud.gov account

Email: peter.burkholder@cao.gov

.....

.....

CREATE CLOUD.GOV ACCOUNT



CLOUD.GOV

Email address

[Forgot your password?](#)

Password

[Need help?](#)

Login

An official website of the United States Government



- Download the Google Authenticator app to your mobile device
- Open the app and scan the barcode image below or manually enter this key: ~~WQ~~EM
- The app will generate a token code for you. Enter the generated token code in the box below the barcode image and click **Register**



Token code

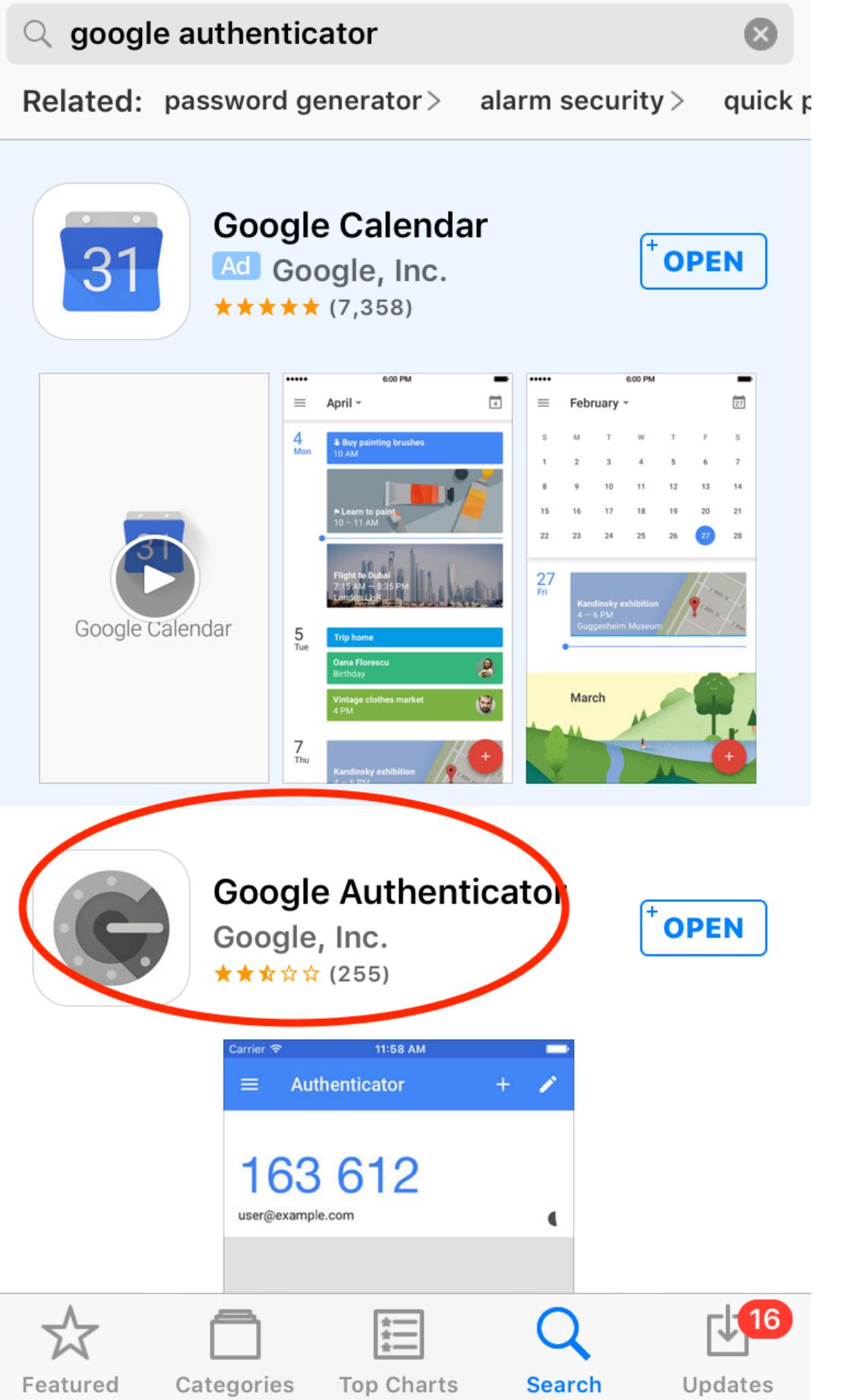
Register

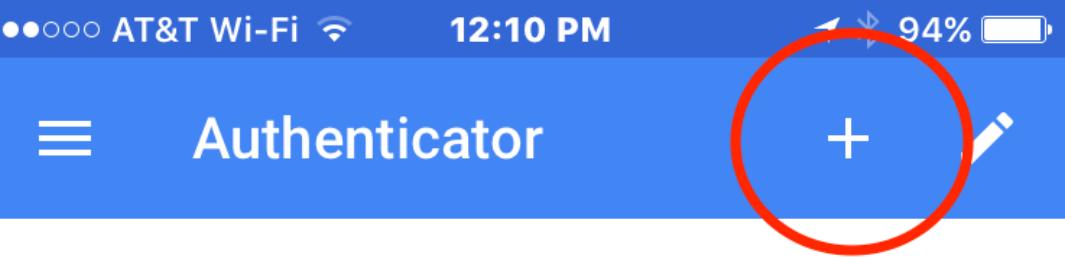
Set up 2-factor authentication

You'll need a one-time password generator on your smartphone

PIV/CAC is coming (check next) quarter, but for now

Google Authenticator or Microsoft Authenticator or Authy





891 544



GitHub

181 481

github.com/pbushholder

Cloud

082 117



659 504



cloud.gov



Authenticator



891 544

[REDACTED]
duellane.parkholder@pebox.com

[REDACTED]

181 481

[REDACTED]
github.com/parkholder

[REDACTED]

082 117

[REDACTED] (15) [REDACTED]
duellane.parkholder@pebox.com

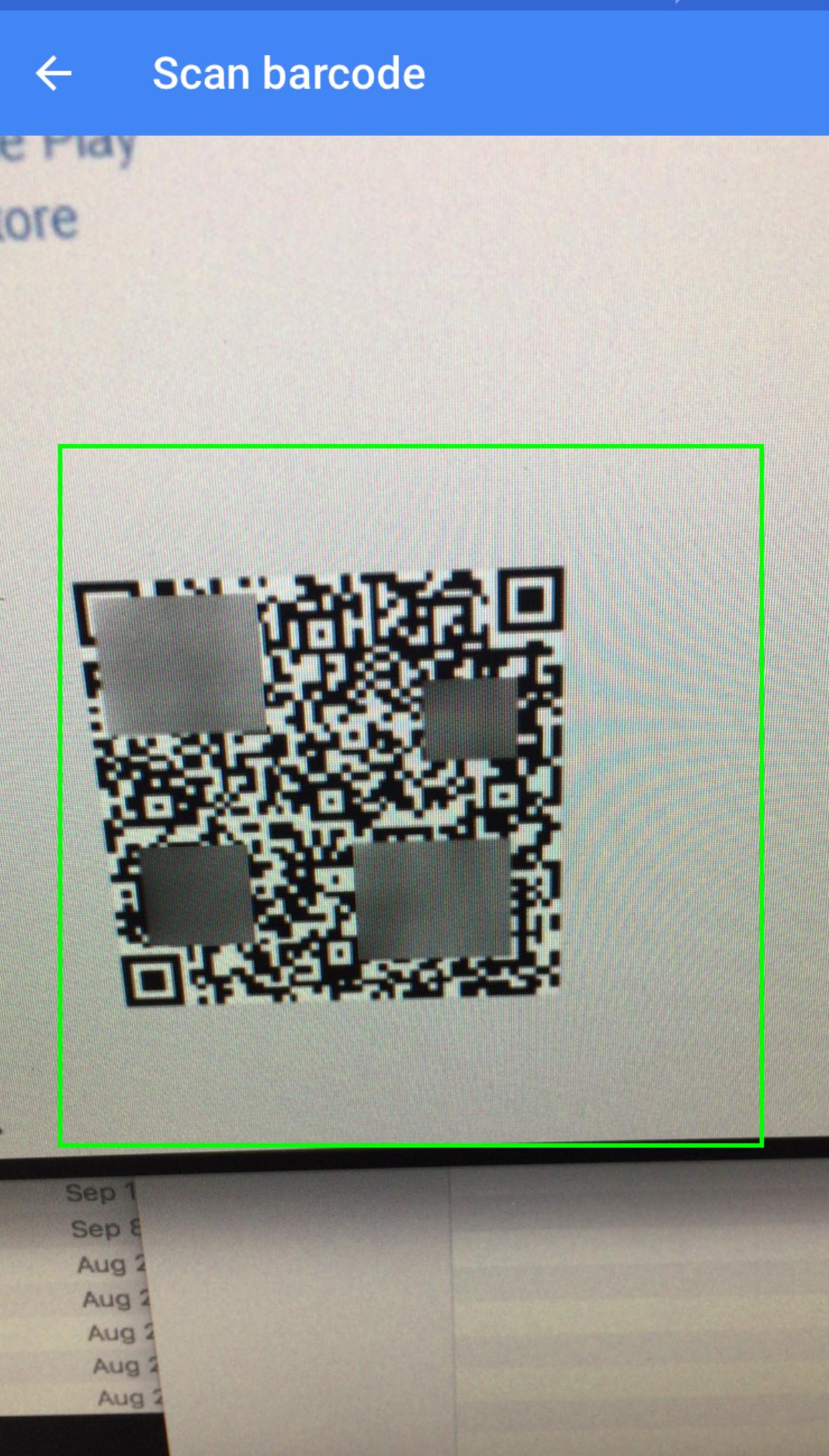
659 504



Scan barcode



Manual entry



CLOUD.GOV

- Download the Google Authenticator app to your mobile device
- Open the app and scan the barcode image below or manually enter this key: ~~WQ~~ **EM**
- The app will generate a token code for you. Enter the generated token code in the box below the barcode image and click **Register**



Token code

Register

Authenticator + ⚙

Dashlane peter.burkholder@cloud.gov

900 773

Slack

658 292

Slack

284 328

cloud.gov

467 810

peter.burkholder@cloud.gov



- Download the Google Authenticator app to your mobile device
- Open the app and scan the barcode image below or manually enter this key: 1234567890
- The app will generate a token code for you. Enter the generated token code in the box below the barcode image and click **Register**



Token code

Register



CLOUD.GOV

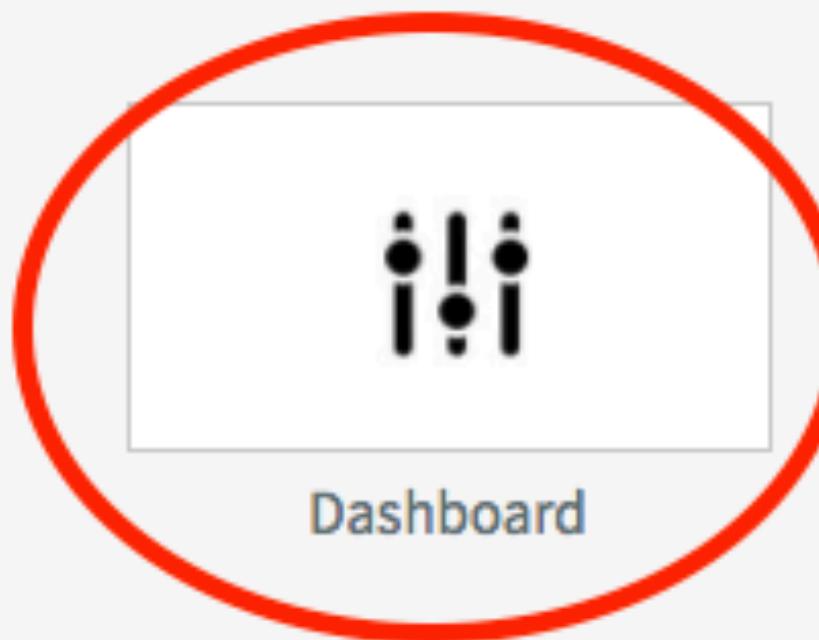
Temporary token code from your
authentication app

467810

Login



Where to?



Dashboard



Invite Users



Overview

Your organizations

We can't find any of your organizations.

If you just joined, your organization may not yet be ready. Sometimes organizations can take up to 20 minutes to appear on your first login.

If this isn't the case, [contact us](#).



Overview

Your organizations

 [sandbox-cao](#)



1 spaces



0 apps

Cheatsheet

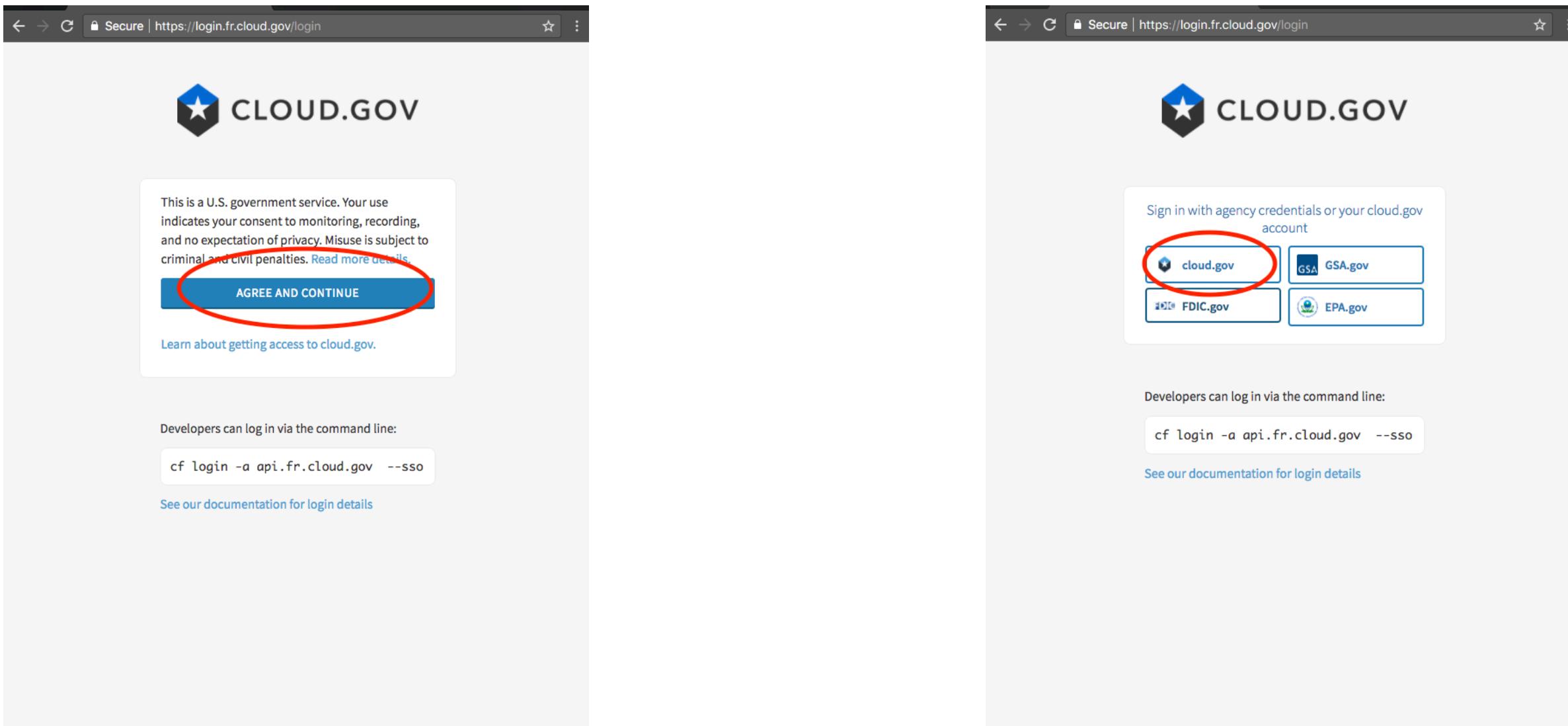
A few things you can do here

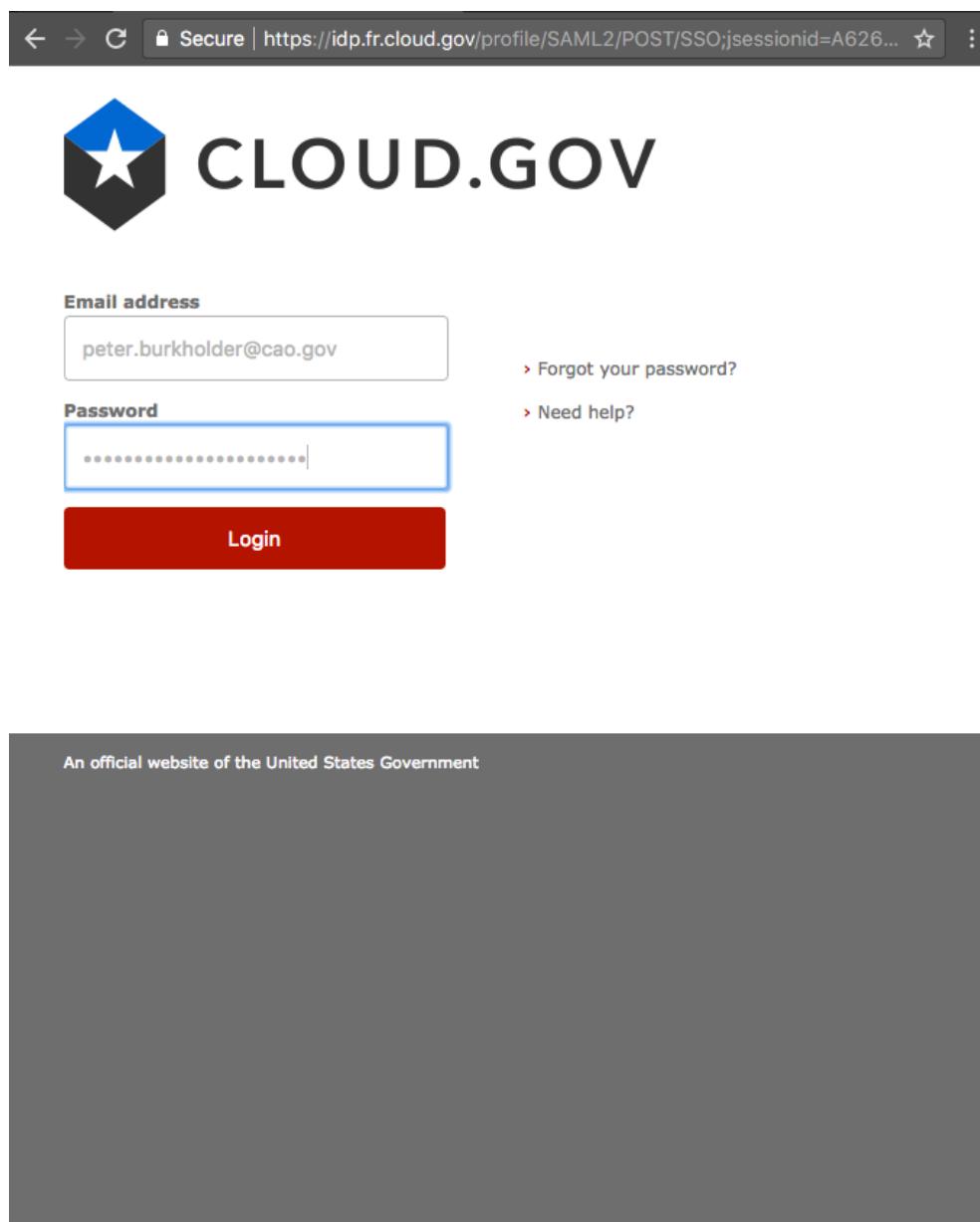
- See recent log events for your apps.
- Create and bind service instances for your apps.
- Create and bind routes for your apps.
- Change memory allocation and number of instances

Basic cloud.gov structure

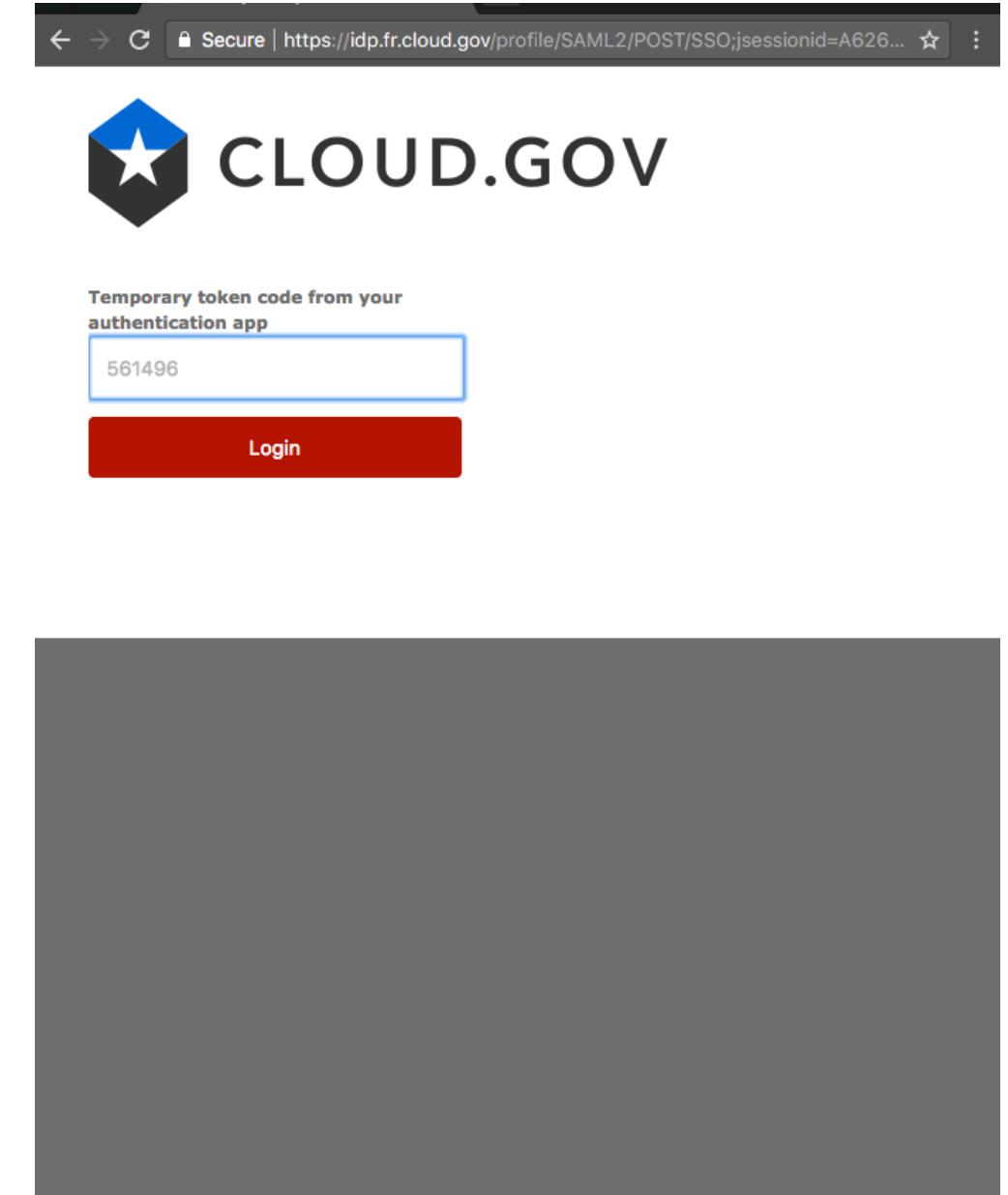
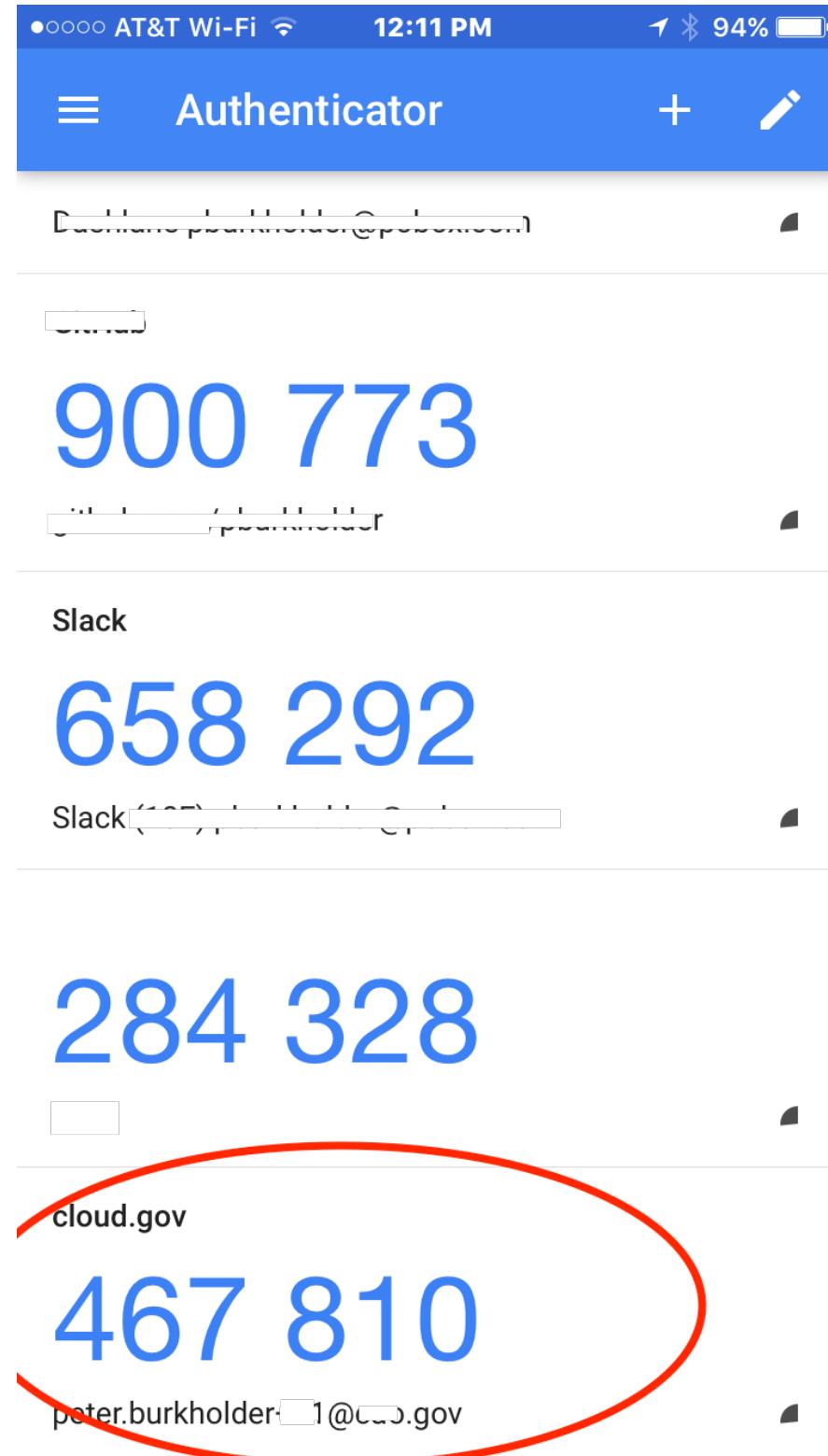
- **Organization:** Each org is a [system \(shared perimeter\)](#) that contains [related spaces holding related applications](#).
- **Spaces:** Within an org, your [spaces](#) provide environments for applications ([example use](#)).

Future cloud.gov logins to, e.g. https://dashboard.fr.cloud.gov





The Cloud.gov login page features a logo with a blue hexagon containing a white star and the word "CLOUD.GOV". It includes fields for "Email address" (peter.burkholder@cao.gov) and "Password" (redacted), and a "Login" button. Below the form is a dark grey banner stating "An official website of the United States Government".



The screenshot shows the cloud.gov dashboard at <https://dashboard.fr.cloud.gov/#/dashboard>. The browser bar indicates it's a secure site. A banner at the top states "An official website of the United States government" with a link to "Here's how you know". The dashboard header includes a logo, the word "Dashboard", and links for "Documentation", "Updates", "Status", "Contact", and "Log out".

The main content area is titled "Overview". It features a section titled "Your organizations" with a card for "sandbox-cao". The card displays the organization icon, the name "sandbox-cao", a space icon with "1 spaces", a green hexagon icon with "2 apps", and a progress bar.

Below this is a "Cheatsheet" section with two columns:

- A few things you can do here**
 - See recent log events for your apps.
 - Create and bind service instances for your apps.
 - Create and bind routes for your apps.
 - Change memory allocation and number of instances for your apps.
- Basic cloud.gov structure**
 - Organization:** Each org is a [system \(shared perimeter\)](#) that contains [related spaces holding related applications](#).
 - Spaces:** Within an org, your [spaces](#) provide environments for applications ([example use](#)).
 - Marketplace:** Use your org's [marketplace](#) to create [service](#)

Further exploration

When you have reached the dashboard,
<https://dashboard.fr.cloud.gov>, you have completed this section.

Meanwhile:

- try exploring the other features of the dashboard
- review the docs at <https://cloud.gov/docs>
- look ahead to 18F's Before You Ship guide
at <https://before-you-ship.18f.gov>

Continue...

... to Lab part II:

<https://github.com/18F/cg-workshop/blob/master/02-slides-lab.md>