

# 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
  - that 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**

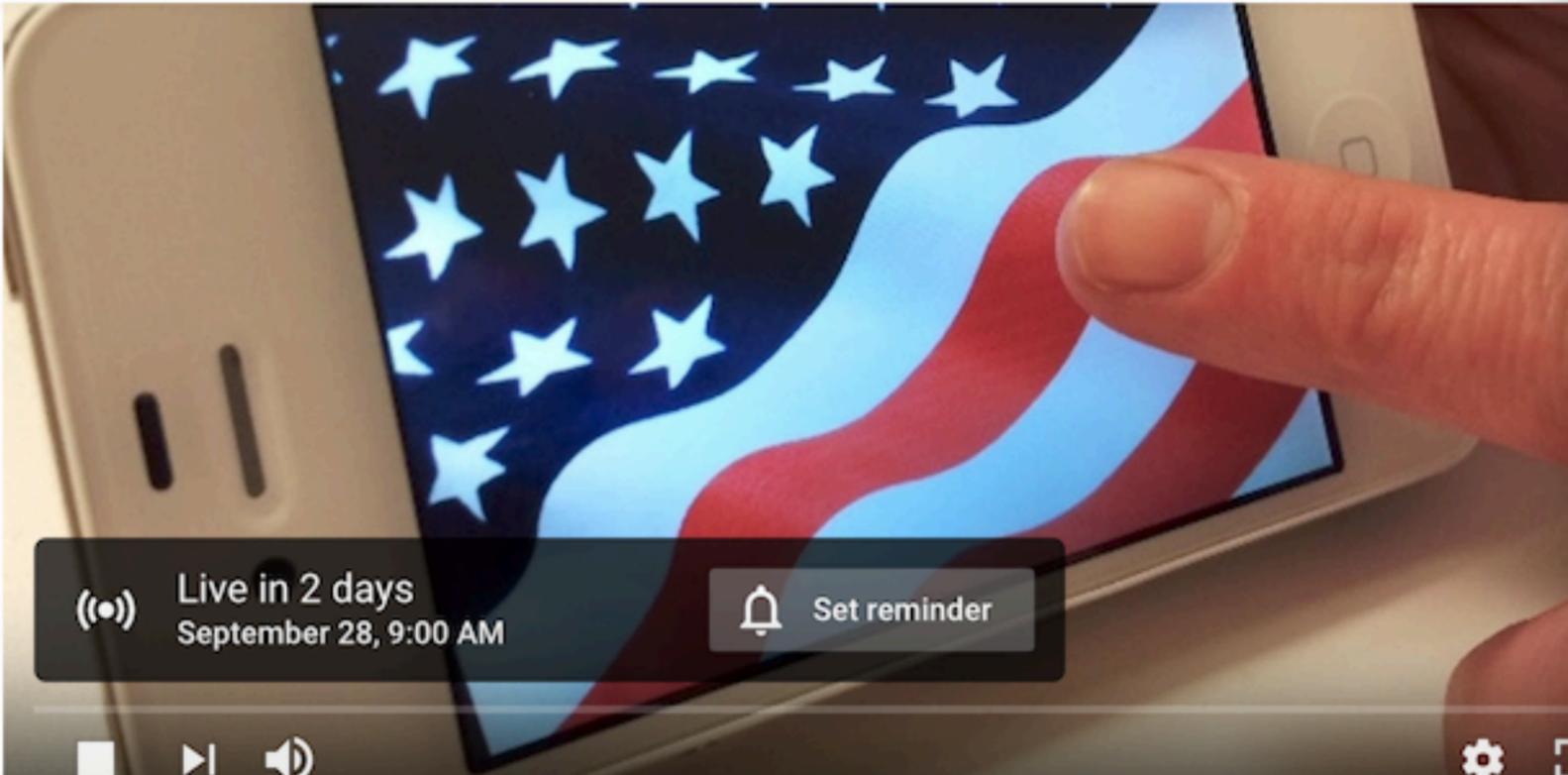
## Have visible:

- 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...  
Apps Inbox 25 Calendar 18F Handbook Boards Notifications

YouTube Search



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

GitHub, Inc. [US] https://github.com/18F/cg-workshop/blob/...

Apps Inbox 25 Calendar 18F Handbook Boards Notifications GoogleActionIt

```
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         set-env,se
start,st    ssh         create-app-manifest
stop,sp     app
restart,rs  env,e
restage,rg  scale

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

1 contributor

763 lines (502 sloc) | 15.8 KB

Raw Blame History

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



**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>



## 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](mailto: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](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 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**



Create your  
cloud.gov account

Email: peter.burkholder@cao.gov

**CREATE CLOUD.GOV ACCOUNT**



# CLOUD.GOV

**Email address**

peter.burkholder@cao.gov

**Password**

.....

Login

> [Forgot your password?](#)

> [Need help?](#)

An official website of the United States Government



# 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**

# **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

google authenticator

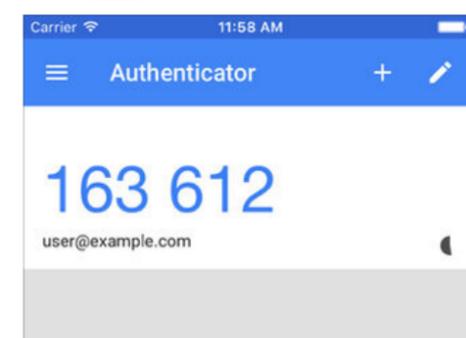
Related: password generator > alarm security > quick p

**Google Calendar**  
Ad Google, Inc.  
★★★★★ (7,358)

**+ OPEN**

**Google Authenticator**  
Google, Inc.  
★★★★☆ (255)

**+ OPEN**



microsoft authenticator

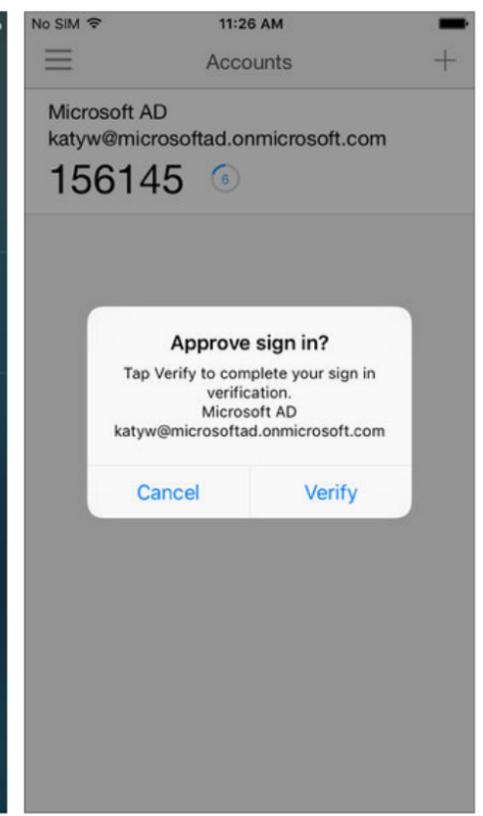
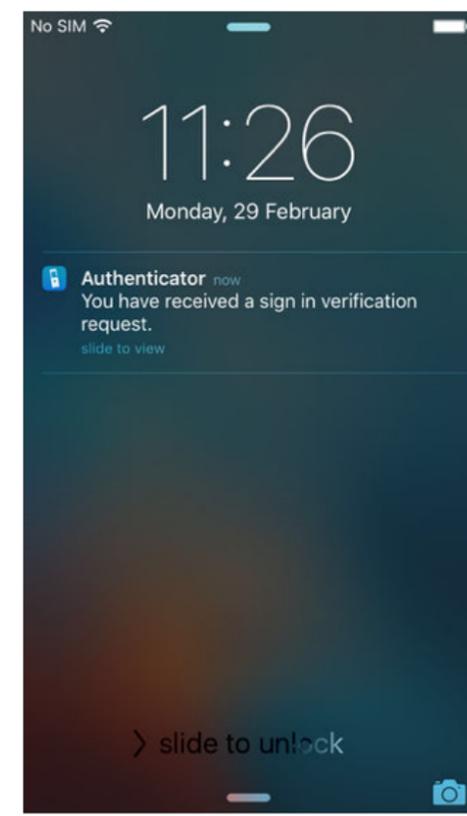
**Chit Chat - Anonymous**  
Chatting, flirting, fun, r...  
Ad Miami Apps  
★★★★☆ (58)

**GET**  
In-App Purchases

Chit Chat is a new social discovery app that lets you connect with new friends using story #hashtags! Conn...

**Microsoft Authenticator**  
Microsoft Corporation  
★★★★☆ (5)

**+ OPEN**



891 544

[redacted]

GitHub

181 481

github.com/pbuntholder

Clack

082 117

[redacted]

659 504

[redacted]

cloud.gov

Authenticator

891 544  
[redacted]

[redacted]  
181 481  
[redacted]

Slack  
082 117  
[redacted]

659 504

-  Scan barcode
-  Manual entry

← Scan barcode



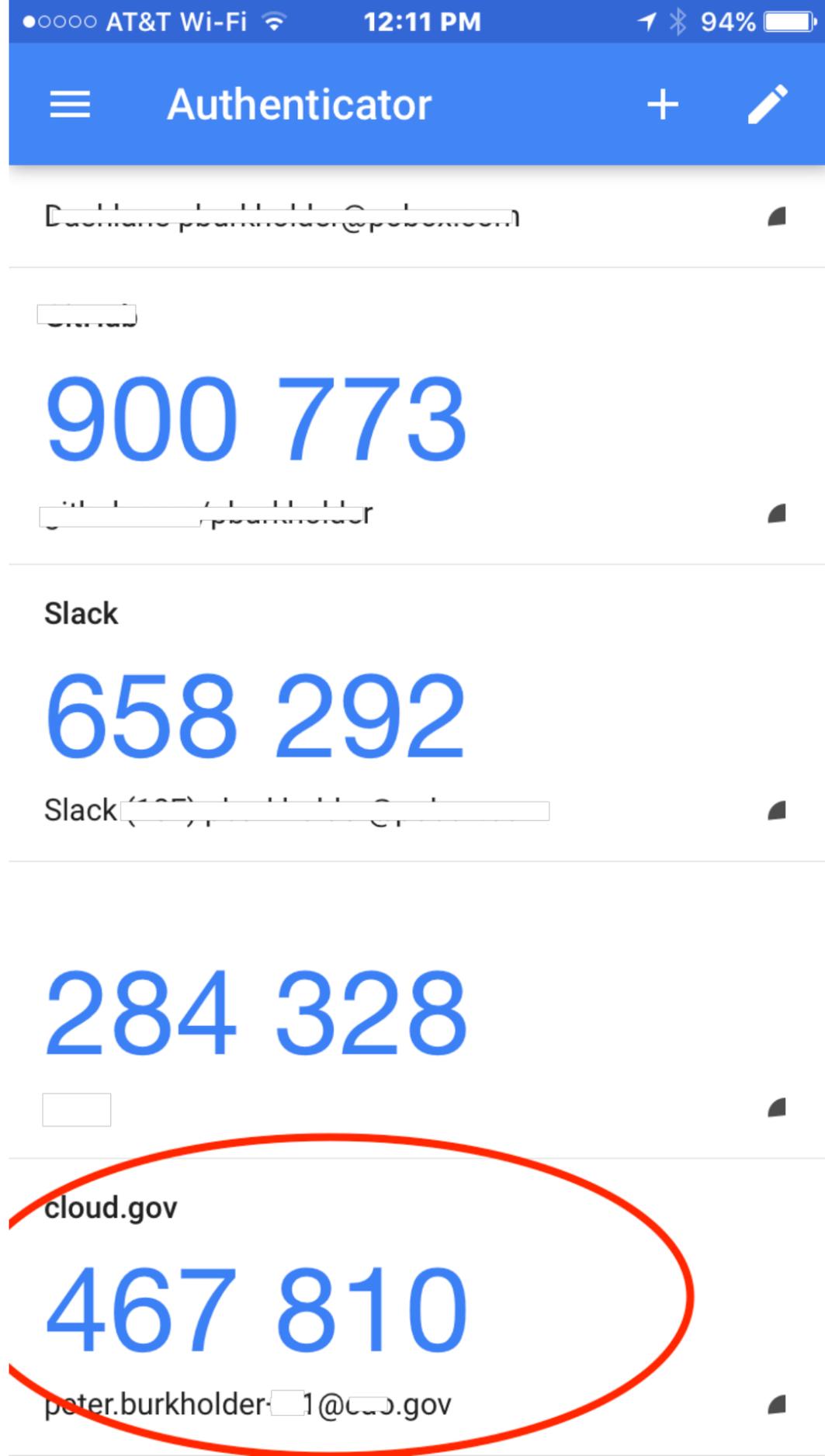
# CLOUD.GOV

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Token code

**Register**



# 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: `XXXXXXXXXXXX`
- 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

467810

Register



# CLOUD.GOV

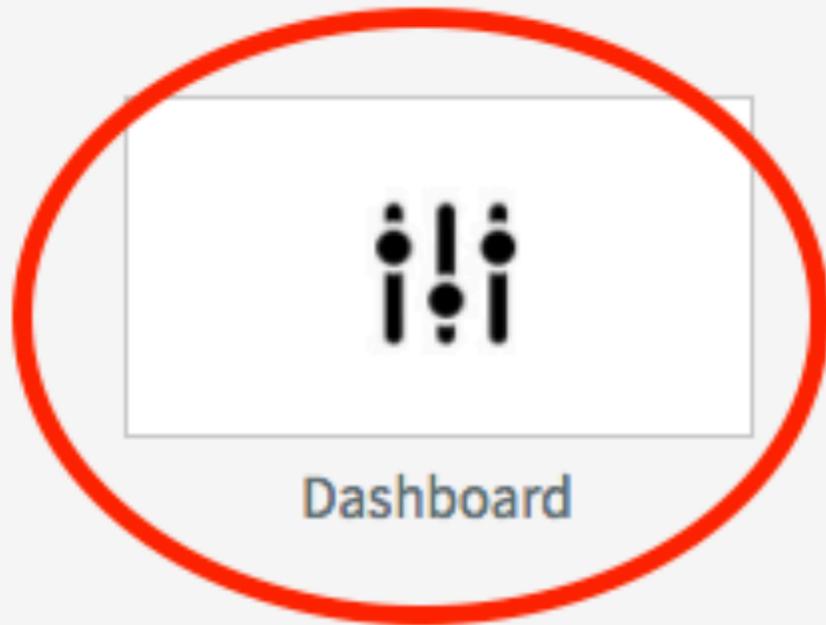
Temporary token code from your  
authentication app

Login



CLOUD.GOV

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

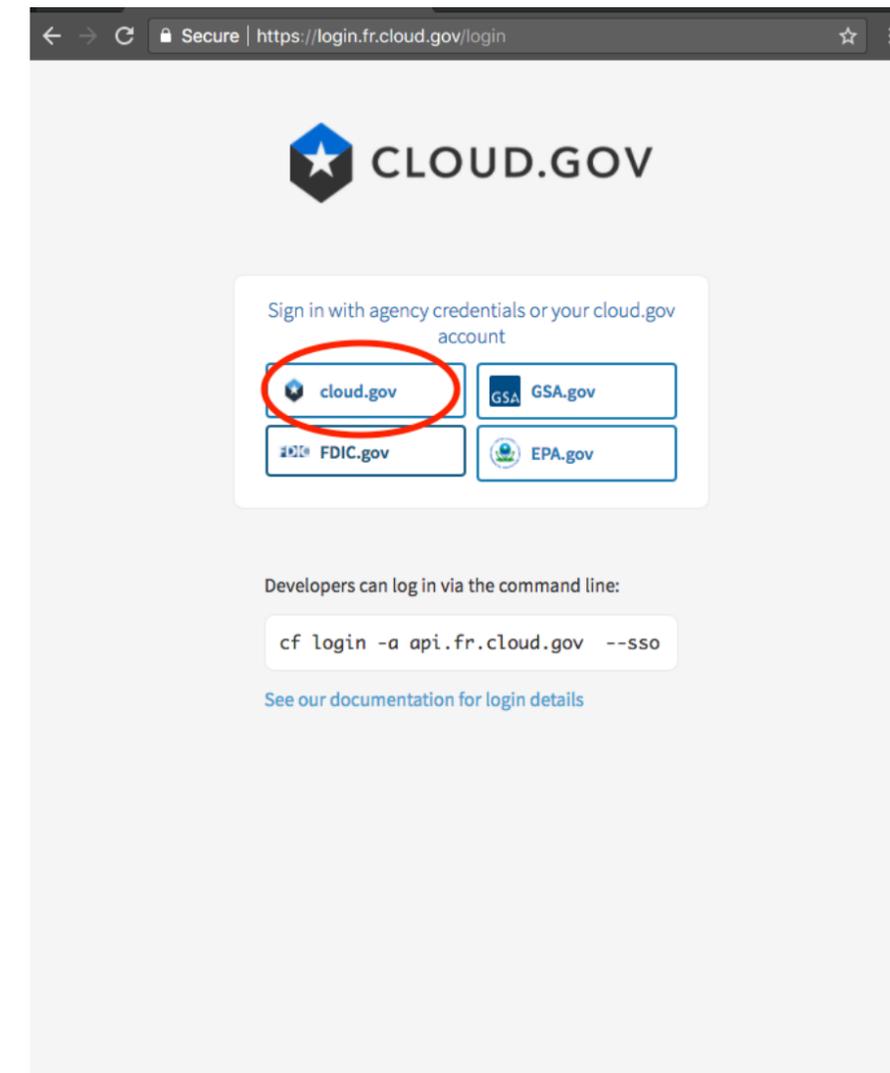
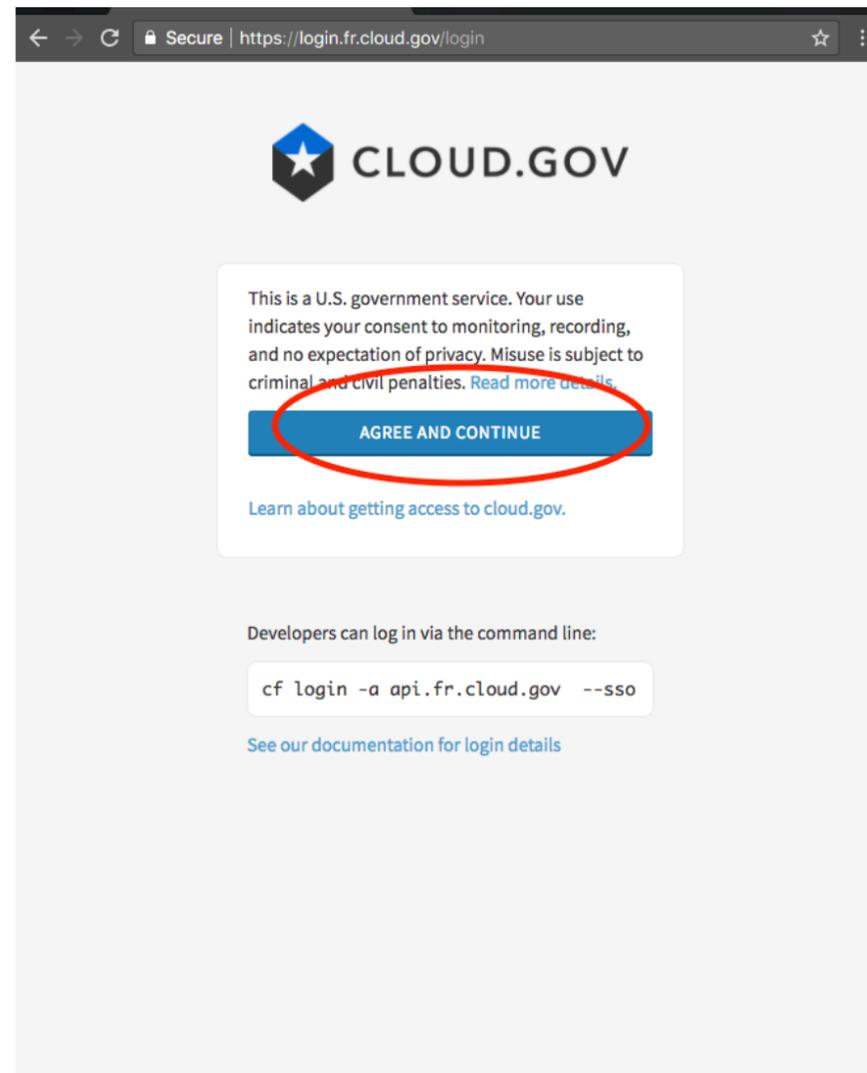
## A few things you can do here

- 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>



Secure | https://idp.fr.cloud.gov/profile/SAML2/POST/SSO;jsessionid=A626...



**Cloud.GOV**

Email address  
peter.burkholder@cao.gov

Forgot your password?

Password  
.....

Need help?

Login

An official website of the United States Government

AT&T Wi-Fi 12:11 PM 94%

Authenticator

cloud.gov

900 773

cloud.gov

Slack

658 292

Slack (105)

cloud.gov

284 328

cloud.gov

467 810

peter.burkholder1@cloud.gov

Secure | https://idp.fr.cloud.gov/profile/SAML2/POST/SSO;jsessionid=A626...



**Cloud.GOV**

Temporary token code from your authentication app

561496

Login

[Redacted area]

## Overview

### Your organizations

 <a href="#">sandbox-cao</a>	 1 spaces	 2 apps
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### 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 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), <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](https://before-you-ship.18f.gov) 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>