# Automating Deployments to cloud.gov

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#### **Mark Headd**

**Consulting Engineer** 

#### Why automate deployments?

- Make deployments frequent (continuous)
- Make deployments boring
- Part of a larger strategy for managing apps, spaces, & orgs (May 2021 Tech Talk)

#### CI/CD on cloud.gov

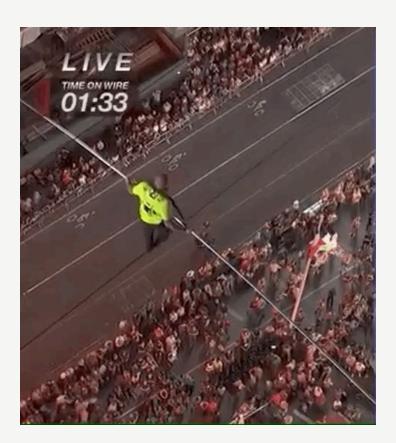
- No bundled CI/CD tool with the platform
- Customers choose any tools that suits them
- Automated deployments enabled by service accounts
- Automating deployments part of cloud.gov's production ready <u>checklist</u>

#### **Getting started**

- Set up your app for CD
- Set up service credentials
- Configure your service
  - Set up continuous integration
- Document your setup and workflow

#### A sample workflow

- C#/.NET app + GitHub actions
- Updates made and tested locally.
- Changes pushed to staging branch in VC
- On PR, CI runs, automatically deployed to staging
- When changes merged to main, deployed to prod



## Cloud.gov is the easy button for continuous app deployments



### **Comments & Questions**

#### **Resources:**

- Code for this tech talk: https://github.com/cloud-gov/tech-talk-continuous-deployment
- GitHub action for deploying to cloud.gov: <a href="https://github.com/cloud-gov/cg-cli-tools">https://github.com/cloud-gov/cg-cli-tools</a>
- Documentation on continuous deployment:
  <a href="https://cloud.gov/docs/management/continuous-deployment/">https://cloud.gov/docs/management/continuous-deployment/</a>
- Cloud.gov production read guide:
  <a href="https://cloud.gov/docs/management/production-ready/">https://cloud.gov/docs/management/production-ready/</a>