

Automating Deployments to cloud.gov

14 October, 2021

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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** [checklist](#)

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:
<https://github.com/cloud-gov/cg-cli-tools>
- Documentation on continuous deployment:
<https://cloud.gov/docs/management/continuous-deployment/>
- Cloud.gov production read guide:
<https://cloud.gov/docs/management/production-ready/>