

small STEPS

Get Control of Your Technical Operations and Build a Healthy DevOps Culture



AGENDA

- Overview
- Intro
- Tips!
- Activity + Questions



INTRO

- Hi! I'm Jeff.
- I work on [government] services.
- “People + Technology” is hard.
- Enable people to work together (dev+ops)

TIP #1

→ Know Your Objectives

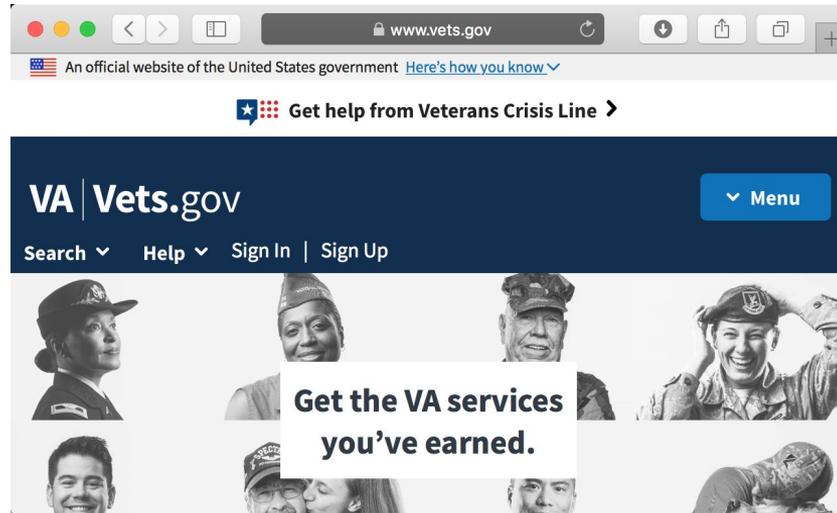
→ Example: Mass.gov Deploy Downtime



TIP #2

→ **Do *actual* DevOps (not just system admin)**

→ **Example: Vets.gov** (Healthcare Dockerfile and UI Deployments)



TIP #3

→ **Make things repeatable -- write them down**

→ **Example: Mass.gov Deployments**

Long Version

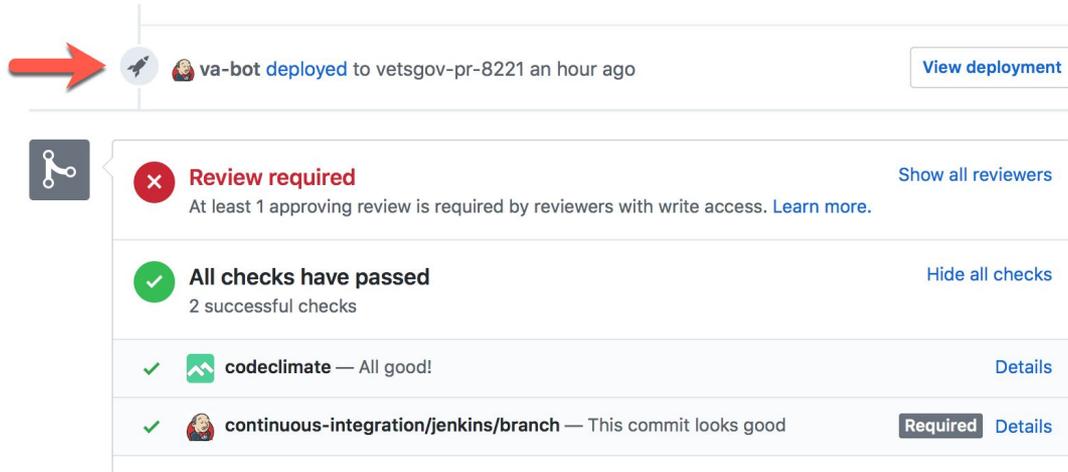
First time or need more detail? Read these:

1. Check the [GitHub develop branch](#) to see if there is anything new to be delivered.
2. If there is new code to be delivered, notify the team at least 24 hours in advance using the [Communicate Releases](#) instructions for Upcoming Deployments.
3. Add release notes to top of CHANGELOG.md, and then commit and push to GitHub.
4. Create a release branch (e.g.: `release-0.18.0`) from the current production branch. The name of the branch should be `<sprint number>.<number of times deployed within sprint>` but it is what is currently happening today. We should change the version number to reflect what is currently happening today.
5. Push your release branch to GitHub (CircleCI will run again against the release branch). However, CircleCI will not push your branch to Acquia until you manually trigger a deployment.
6. Write release notes for all the code being delivered in the release branch. See the [instructions for Release Notes](#). (The release notes will be included in the release notes for the production version. It is suggested that you make a list of all the JIRA tickets that are being deployed in this version via JIRA later.)
7. SSH into the mass Vagrant VM and `cd /var/www/mass.l`
8. Drag the Database rectangle from Prod into Stage.
9. Run `drush ma-deploy test <release branch>` which will

TIP #4

→ **Use disposable infrastructure**

→ **Example: Vets.gov PRs and Deployments**



The screenshot shows a GitHub deployment notification for 'va-bot' to 'vetsgov-pr-8221' an hour ago, with a 'View deployment' button. Below it is a CI status summary with a 'Review required' message (red X icon) stating 'At least 1 approving review is required by reviewers with write access. Learn more.' and a 'Show all reviewers' link. The summary also shows 'All checks have passed' (green checkmark icon) with '2 successful checks' and a 'Hide all checks' link. The CI checks listed are: 'codeclimate' (green checkmark icon) with status 'All good!' and a 'Details' link; and 'continuous-integration/jenkins/branch' (robot icon) with status 'This commit looks good', a 'Required' badge, and a 'Details' link.

TIP #5

→ **Review everything in pull/merge requests**

→ Examples: VA Caseflow and
Mass.gov Pull Requests

TIP #5 (continued)



lakohl commented on Jan 31, 2017

Contributor + 😊 ...

@mmlumba I believe you moved the second column 10pixels to the left, it needed to move 10px to the right. Now it needs to move 20 px to the right.



KHarshawat-gov commented on Jan 31, 2017

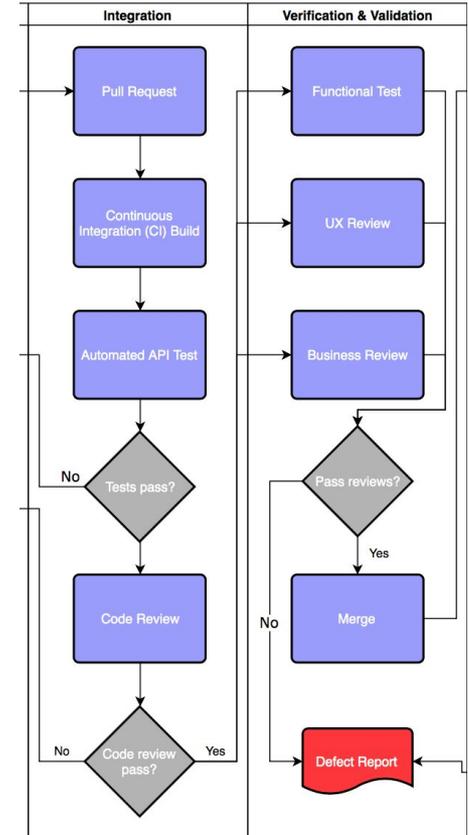
+ 😊 ...

@mmlumba there should be a bit more spacing b/t the first and 2nd questions:

Decision Type
Full Grant

30px
Special Issue Categories

<input type="checkbox"/> Rice Compliance	<input type="checkbox"/> Incarcerated Veterans
<input type="checkbox"/> Private Attorney	<input type="checkbox"/> DIC - death, or accrued benefits
<input type="checkbox"/> Waiver of Overpayment	<input type="checkbox"/> Education or Vocational Rehab
<input type="checkbox"/> Pensions	<input type="checkbox"/> Foreign Claims
<input type="checkbox"/> VAMC	



TIP #6

→ **User research is not just for frontends**

→ **Example: CA Child Welfare Tagging**

Labels

minor

2.1.0 ...

🕒 on Jun 5 🔄 fe5b2ca 📄 zip 📄 tar.gz

2.0.0 ...

🕒 on Jun 5 🔄 0b990da 📄 zip 📄 tar.gz

1.1.0 ...

🕒 on Jun 5 🔄 5fa427b 📄 zip 📄 tar.gz

1.0.0 ...

🕒 on Jun 5 🔄 2fa0cf0 📄 zip 📄 tar.gz

TIP #7

→ Automate gradually

→ Example: Vets.gov GI Bill Tool

[Home](#) > [Education Benefits](#) > [GI Bill](#)

GI Bill® Comparison Tool

Learn about education programs and compare benefits by school.

What is your military status?

Veteran

Which GI Bill benefit do you want to use? ([Learn more](#))

Post-9/11 GI Bill (Ch 33)

TIP #8

→ **Have a single source of truth**

→ Example: CWDS Manifests and Tickets

```
1 ---
2  api: 0.6.3.332
3  de-ansible: prod_update
4  de-cloudformation: ReleaseTag
5  dora: 1.5.7_1982-RC
6  intake_api: snapshot_v1.1
7  intake: snapshot_v1.1
8  perry: 1.6.2_445-RC
```

WHAT ARE YOUR small STEPS?

QUESTIONS?