

T13DevOps/Continuous Delivery Thursday, May 3rd, 2018 1:30 PM

Release Automation: Yes, Testers Should Care

Presented by:

Tracy Ragan

OpenMake Software

Brought to you by:



Tracy Ragan

OpenMake Software

Tracy Ragan has extensive experience in Agile DevOps implementations for large organizations. She has devoted her career to helping organizations define a lifecycle process that is not only lean but also repeatable—from automated builds through continuous deployment. For the past twenty years Tracy has worked with Fortune 1000 organizations to improve the delivery of software updates through testing and production. An author and frequent speaker at industry conferences, Tracy has served on the board of the Eclipse Foundation, an open source community of tools and projects. She is currently CEO of OpenMake Software and on the board of DeployHub, an open source continuous deployment community.



Release Automation, Why Testers should care.

Presented by: Tracy Ragan, CEO, OMOPENMAKE

T13 – Thursday May 3rd, 1:30



About the Presenter



CEO, OpenMake Software

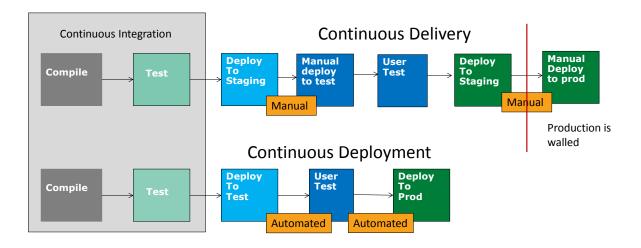
Tracy was a consultant to Wall Street firms such as JP Morgan and Bankers Trust on build and release management for 7 years prior to OpenMake. She was a founding member of the Eclipse organization and served on the board for 5 years. She is a recognized leader and has been published in multiple industry publications and presented to wide audiences at industry conferences.

About OpenMake Software:

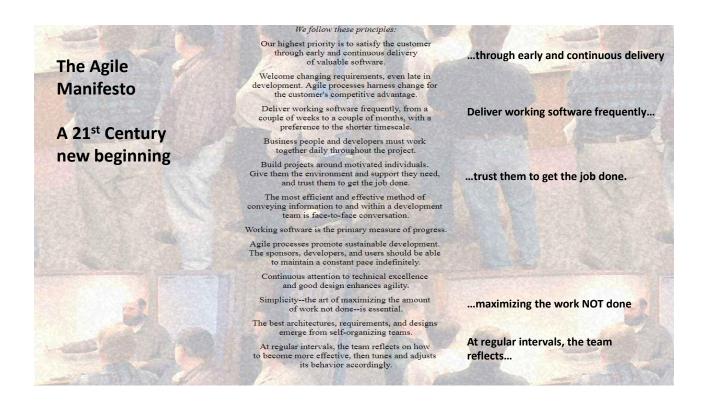
We are software engineers who build scalable Agile DevOps solutions that solve continuous delivery problems. Nothing drives us more than helping customers dramatically accelerate software release cycles from continuous build through continuous deployment

What is Application Release Automation

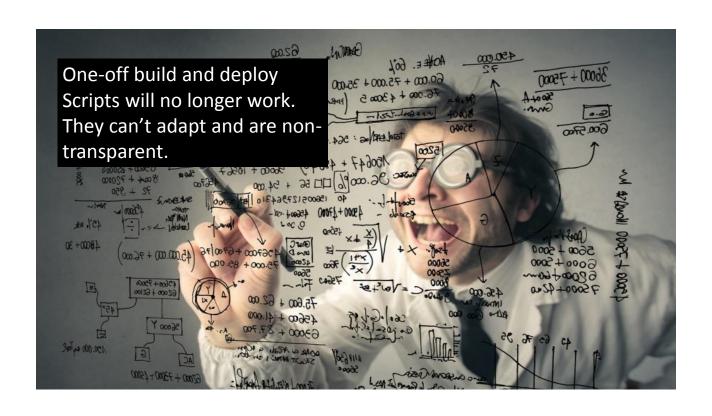






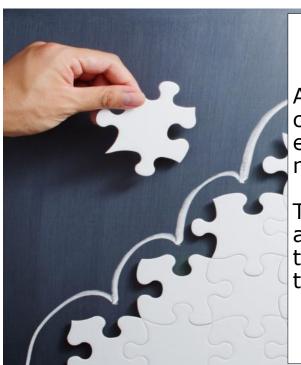












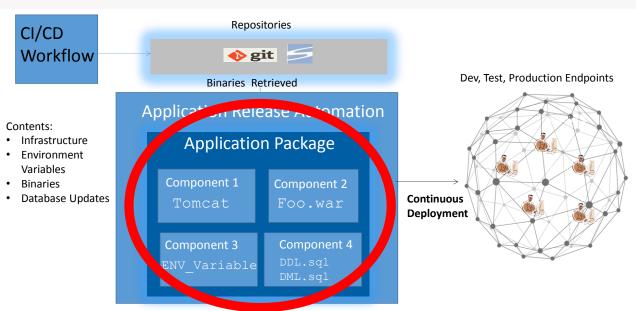
Treat the Application Package as Code

An Application Package is a collection of artifacts and environment declarations that make up the software.

This must be tested. Treat the application package as code that must be verified across the CI/CD process.

What's in a Package?







ARA Test Insights



- Environment Configurations
 - What version of the infrastructure is available in each subsequent environment. ARA helps you validate versions of Java runtime, Tomcat, Oracle and even the OS level dependencies.
- Environment Variables
 - ARA allows you to view and confirm the correct variable substitutions before the apps deployed to each environment.

ARA Test Insights

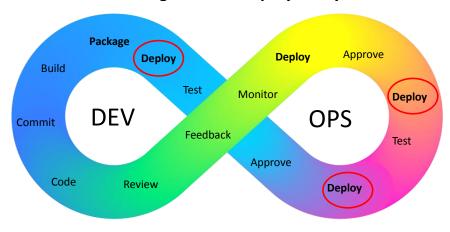


- Track Artifact Versions
 - ARA will show you dependencies between binaries and define what versions are required – with change request and burn down rates. This shows how close an application is to its scheduled release date.
- Database
 - Includes the database as part of the process bringing the DBAs into the loop.

We are moving to a continuous Loop - not a pipeline



Package Once - Deploy Many



Test the Package for its ability to easily adapt to the changing environments, even when they are mixed. A 'rolling' deployment can allow you to 'smoke test' at production. Containers make this even easier.



No Budget Authority?

Files Log Activities Change Requests General Reports Feedback Loop

Git Commit

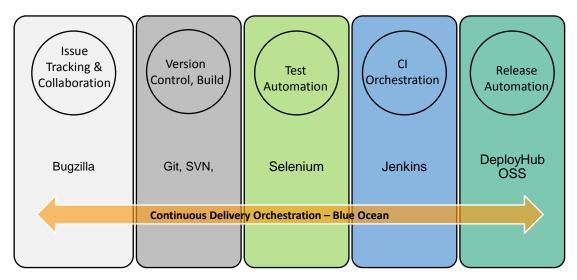
Deploy #1061

Source

(D) (E)



Open Source Tooling to get you started...



DeployHub/GitHub Continuous Loop

► Build #53

Build Job

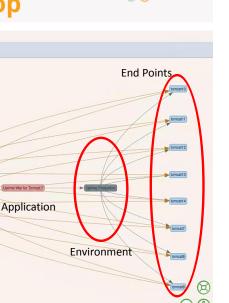
CR3

Git

Issue #

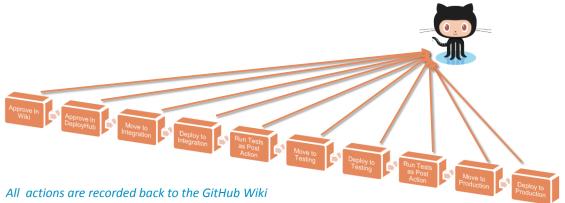
Application

Components



GitHub and WebHooks





- DeployHub Actions
- Build Logs
- Test Results
- Change Requests
- Bugzilla Git Issue Tracking

Questions? Answers?



