

UDAPEOPLE: THE CASE FOR CI/CD

CI/CD: WHAT IS IT?

CI: CONTINUOUS INTEGRATION

- Continuous Integration is the practice of continually merging developer's work to the shared mainline.
- CI tools allow us automate tasks like performing tests and builds, which can be triggered on every commit to mainline.
- CI allows us to ensure our new features can be delivered with both speed and confidence in reliability.

CI/CD: WHAT IS IT?

CD: CONTINUOUS DEPLOYMENT

- Continuous Deployment is the practice of automating deployments.
- By automating the deployment process, new features can be delivered frequently and quickly.
- CD de-risks the deployment process by replacing a hero developer having to do deployment 'magic' and with a robust automated process, eliminating human error.

PUTTING IT TOGETHER: CI + CD = CONTINUOUS DELIVERY

When we build a CI/CD pipeline, we're automating the integration process for merging code for new features, and the deployment process for getting those new features in front of customers, allowing us to deliver value quickly, regularly, and with confidence that our new features will work seamlessly, enhancing the customer experience.

THAT'S GREAT, BUT WHY BOTHER?

- Improving the productivity and effectiveness of the dev team: CI gives our devs the confidence their work integrates with the rest of the team's team and is verified production-ready automatically.
- Delivering value to the customer faster: CD gives us the ability to get new features in front of customers much sooner than traditional deployment processes where new features must be batched for infrequent manual deploys.