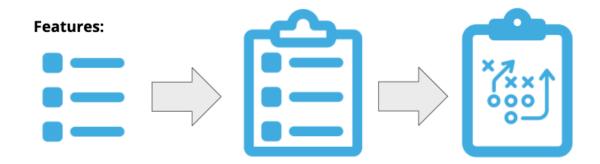# WHY CI/CD?

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INTRODUCTION TO CONTINUOUS DELIVERY

There is some confusion in the community around Continuous Delivery, Continuous Integration and Continuous Deployment. For the sake of consistency throughout this course, we will assume that Continuous Delivery is an overarching paradigm or mindset that informs and enhances the practices of Continuous Integration and Continuous Delivery.

Continuous Integration **+** Continuous Deployment **=** Continuous Delivery

CONTINUOUS DELIVERY IS IMPORTANT

Devops, Agile, Lean, Kanban, Scrum... all great things, all exciting buzz words, each the subject of many conferences, blogs and courses. But, not a single one of those amazing concepts or methodologies will make a real difference until we allow them to change how we think about the value we deliver to our customers.

Continuous Delivery doesn't replace anything, but rather it enhances everything.

Features:

8 PRINCIPLES OF CONTINUOUS DELIVERY

Repeatable Reliable Process

Automate Everything

Version Control Everything

Bring the Pain Forward

Build-in Quality

"Done" Means Released

Everyone is Responsible

Continuous Improvement

CI/CD REDUCE COSTS

Automation in the CI/CD pipeline reduces the number of errors that can take place in the many repetitive steps of CI and CD. Doing so also frees up developer time that could be spent on product development as there aren't as many code changes to fix down the road if the error is caught quickly. Another thing to keep in mind: increasing code quality with automation also increases your ROI.