

# CI/CD

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How to ship better software with reduced costs and better lead time.

# WHAT IS CI/CD

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## CONTINUOUS INTEGRATION

Automate the integration of code changes from several contributors into a software project



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## CONTINUOUS DELIVERY

Practice to produce and create value in shorter times.



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## CONTINUOUS DEPLOYMENT

Takes CI further. It focus on automated deployments with minimal human intervention.

# Continuous Integration

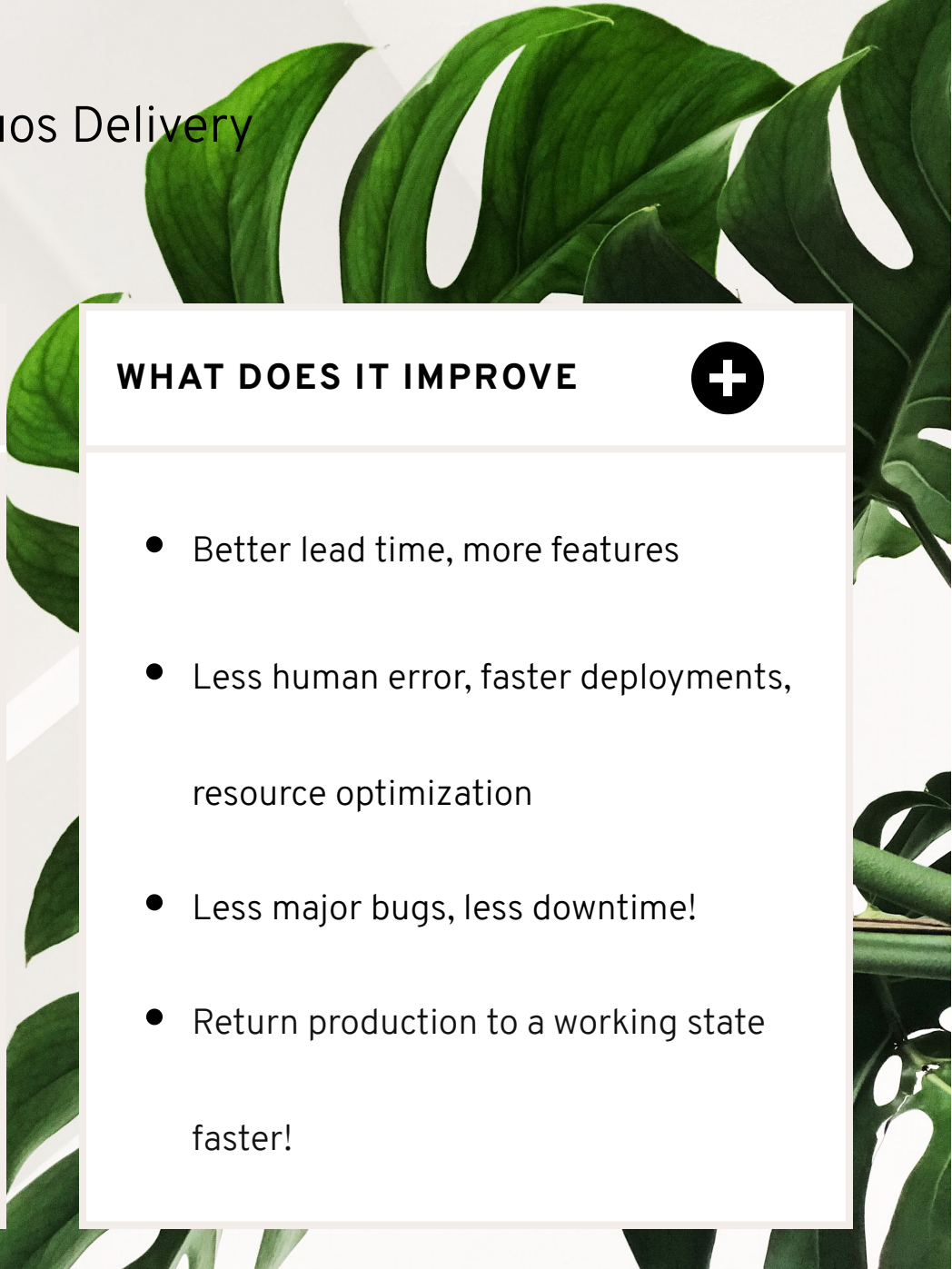
## WHAT DOES IT AUTOMATE

- Testing
- Code Analysis
- Builds
- Security Analysis

## WHAT DOES IT IMPROVE

- Better code quality, less technical debt, easier to maintain, less costs
- Catch errors before they come up in production. Less time fixing bugs, make more features!
- Less human error
- Prevent costly security holes

# Continuous Delivery



## WHAT DOES IT AUTOMATE +

- Deployments
- Infrastructure creation/deletion
- Smoke Tests
- Rollbacks

## WHAT DOES IT IMPROVE +

- Better lead time, more features
- Less human error, faster deployments, resource optimization
- Less major bugs, less downtime!
- Return production to a working state faster!

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Releasing software is too often an art; it should be an engineering discipline

– David Farley, Continuous Delivery