

CLARUSWAY

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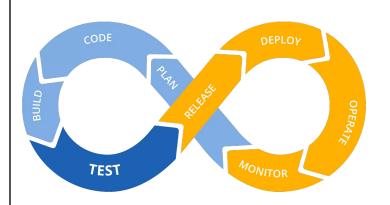
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## DevOps Basics



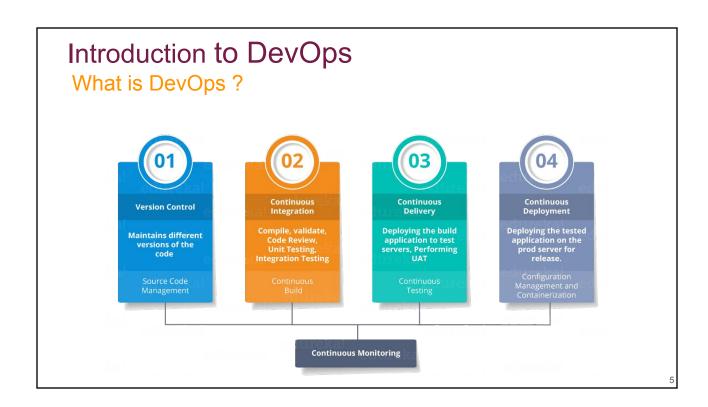
#### Introduction to DevOps

What is DevOps?

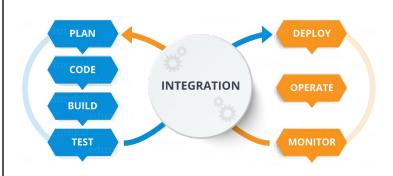


DevOps is a software development approach which involves continuous development, continuous testing, continuous integration, continuous deployment, and continuous monitoring of the software throughout its development lifecycle

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What is Continuous Integration?



Continuous integration is a software development method where members of the team can integrate their work at least once a day. In this method, every integration is checked by an automated build to search the error.

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#### With CI vs Without CI

Development without CI	Development with CI
Lots of Bugs	Fewer bugs
Infrequent and slow releases	Regular working releases
Difficult integration	Easy and Effective Integration
Late bug finding(days,weeks)	Early bug finding(minutes,hours)
Issue raised are harder to fix	Find and fix problems faster and more efficiently.
Poor project visibility	Better project visibility

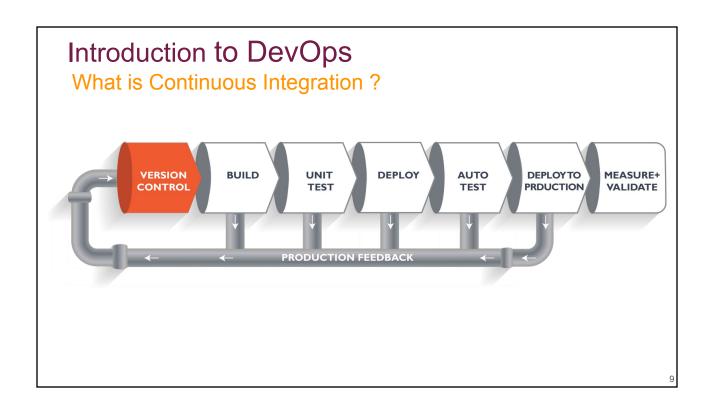
Relative cost of fixing a defect

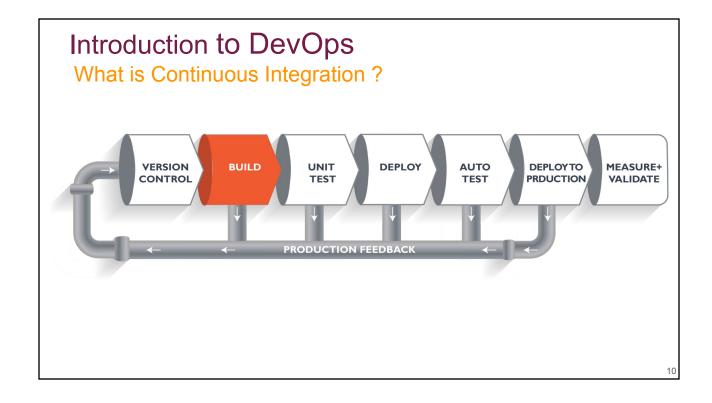
To

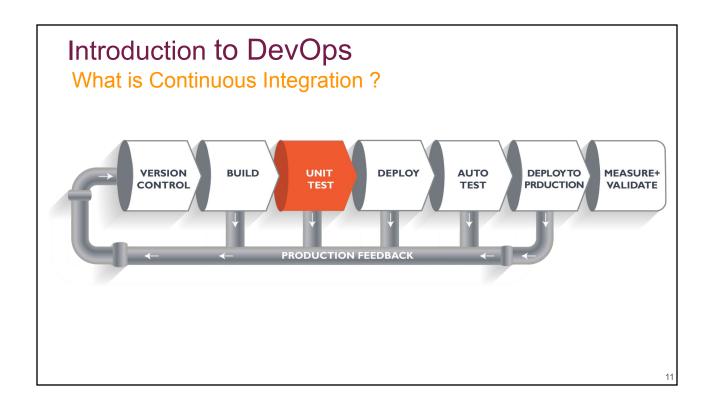
To

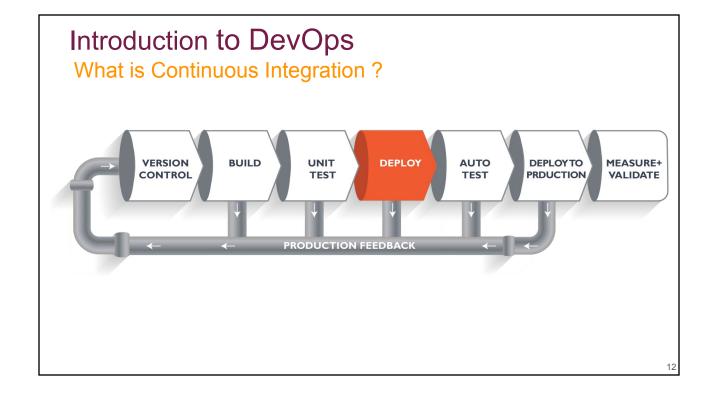
Requirements Design Code Development Testing Acceptance Testing Operation

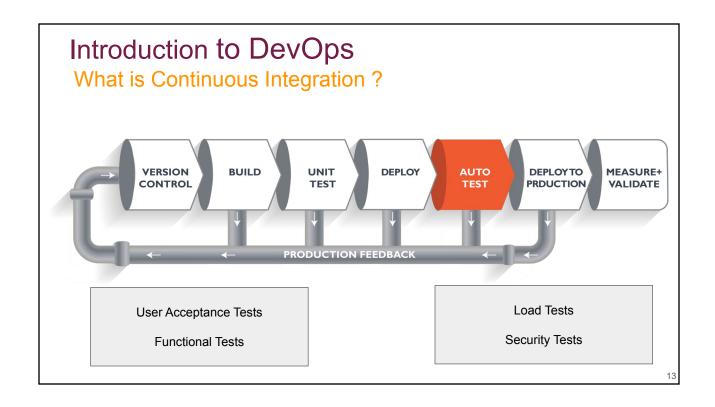
SDLC Phase

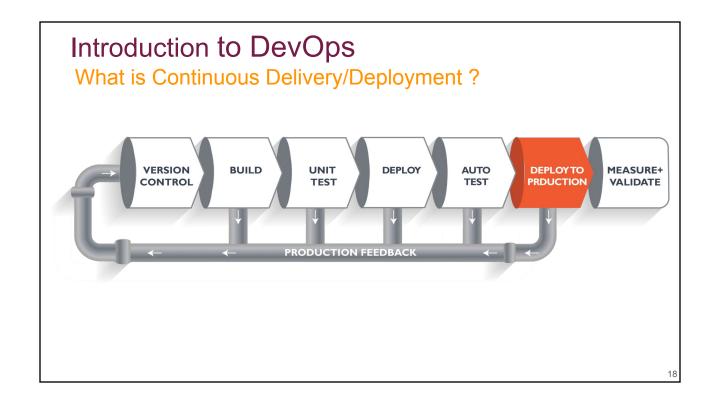


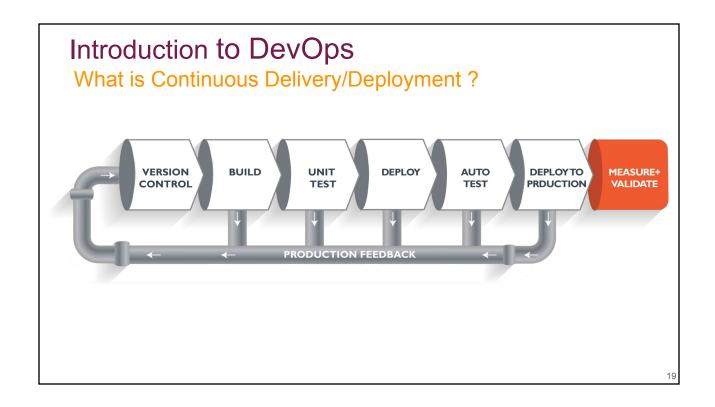


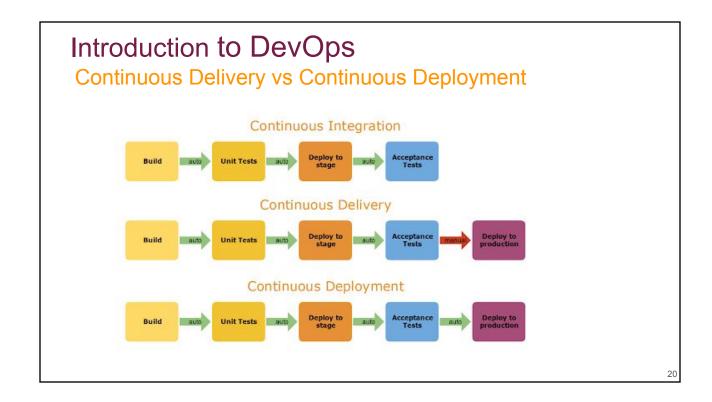






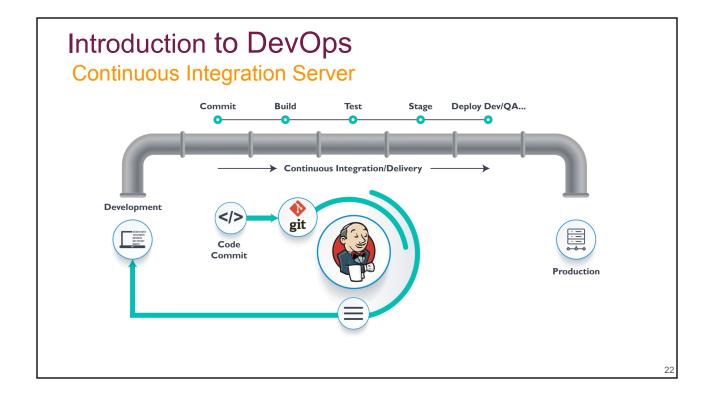






## **DevOps Tools**





**Continuous Integration Server** 









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