DevOps Foundations: Continuous Integration and Continuous Delivery

What Are We Trying to Accomplish?



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Introduction



Exploring our scenario

What can we improve?

What are we trying to accomplish?



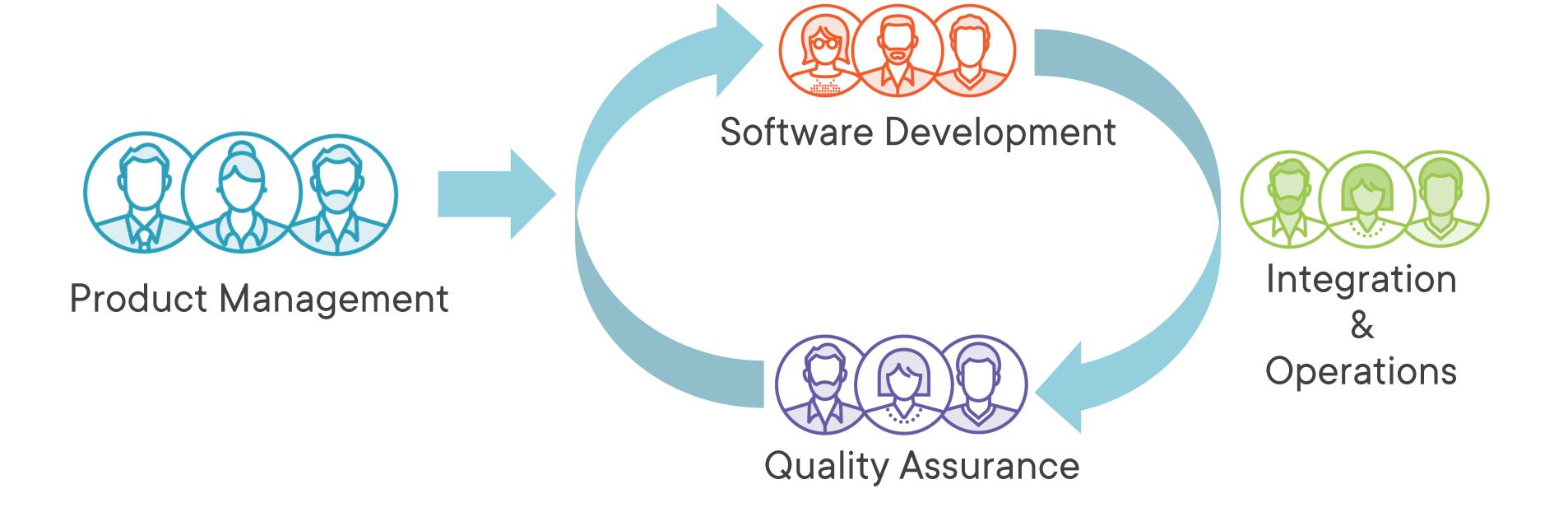
Exploring Our Scenario



Value Through IT



How Value Through IT Creates Software



The Software Teams of Value Through IT





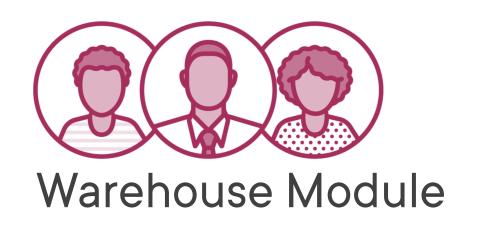








The Software Development Process



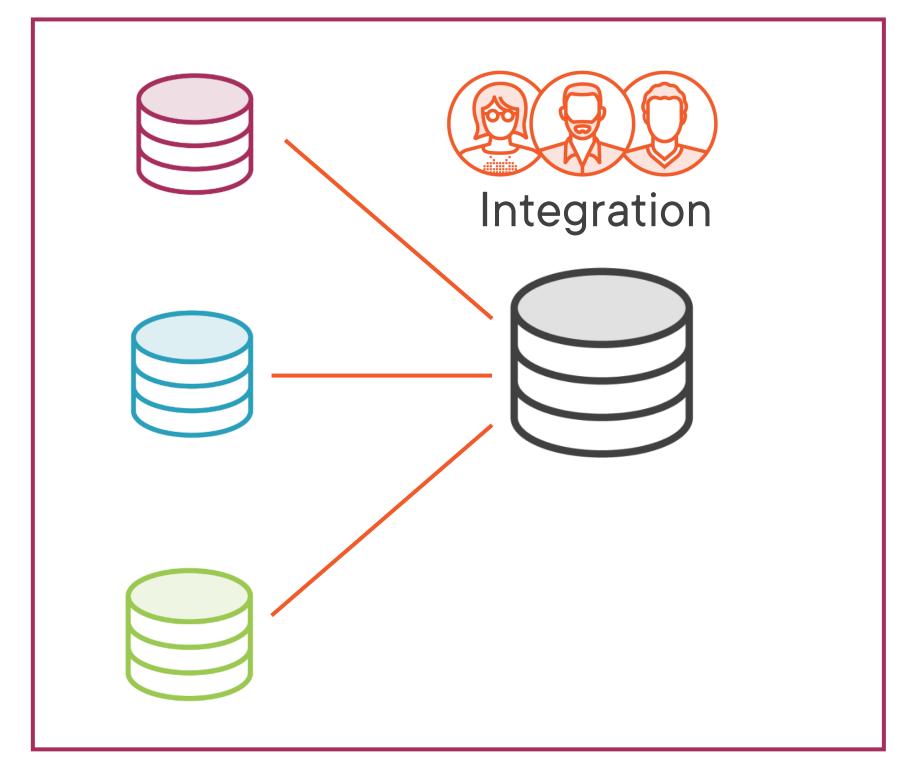
















The Software Development Process



At the end of each iteration:



- Merge the module branches into the main source control code
- Build the integrated code locally
- Pass it on to operations for deployment

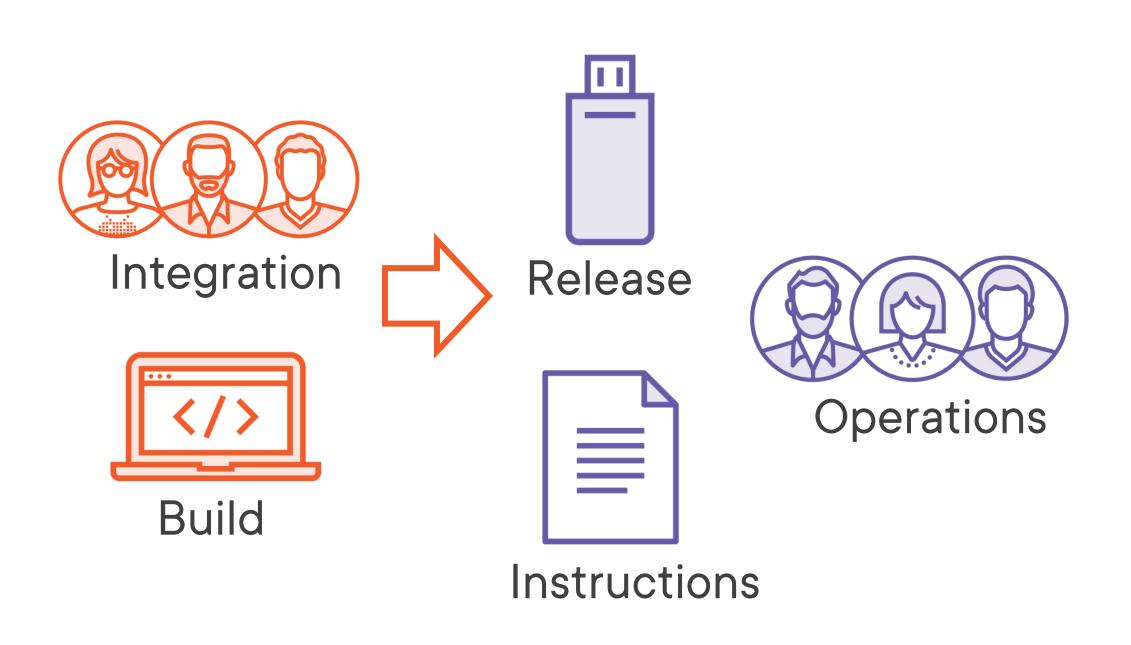


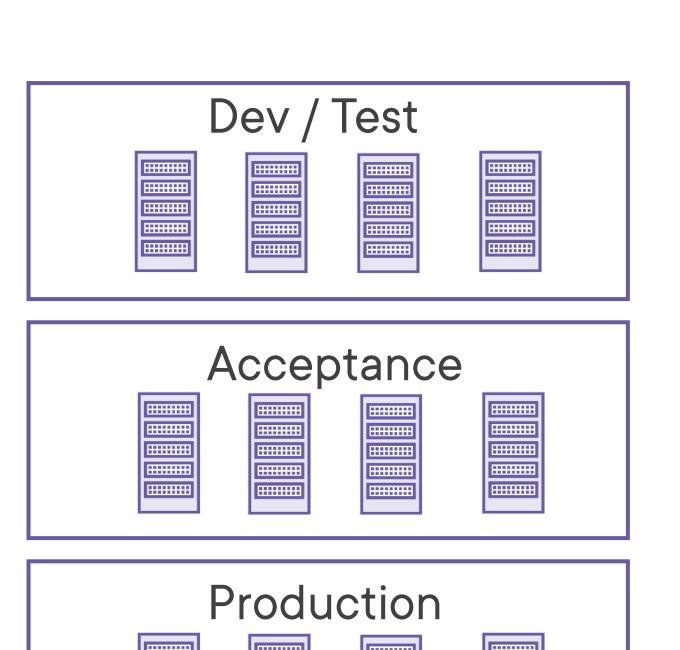
Inventory Module





The Deployment Process

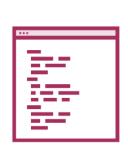




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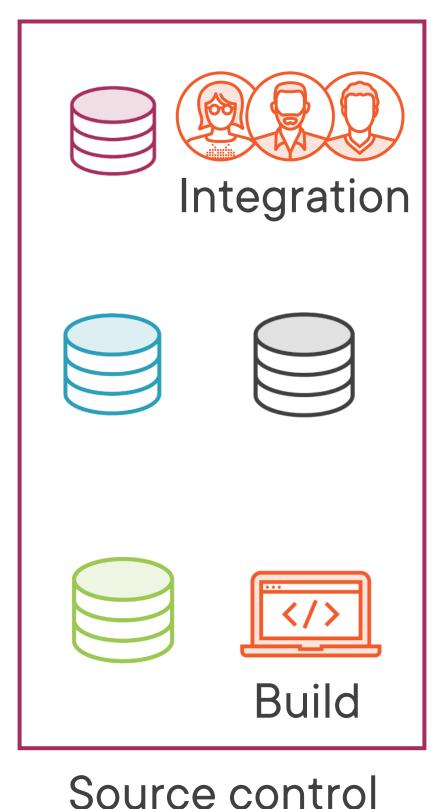
Warehouse Module



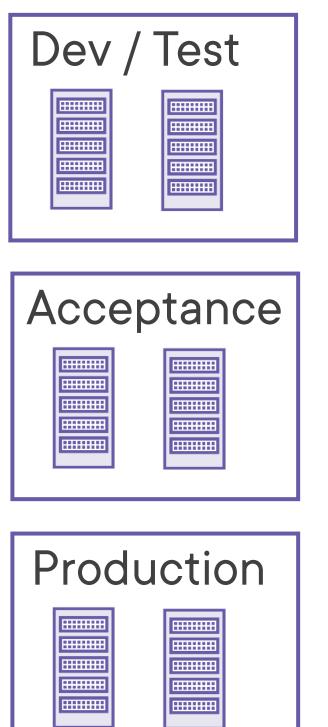
Schedule Module



Inventory Module

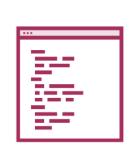






What Can We Improve?





Warehouse Module

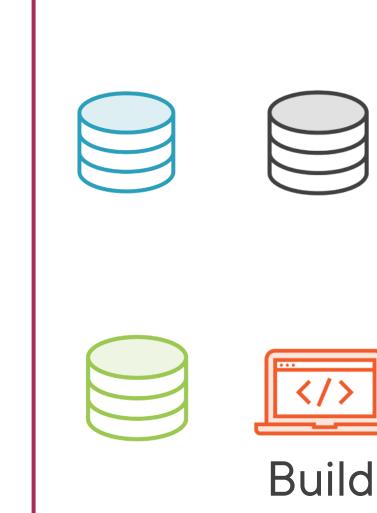




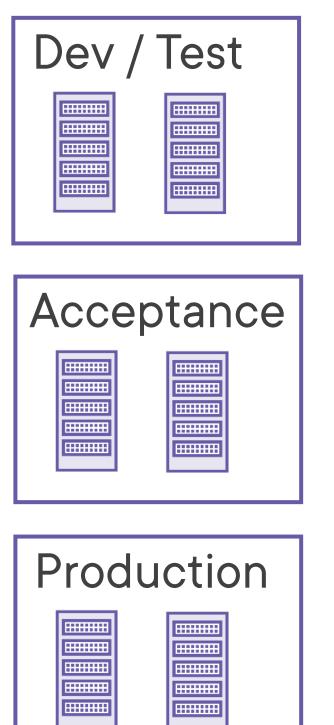
Schedule Module



Inventory Module









Integration





Warehouse Module



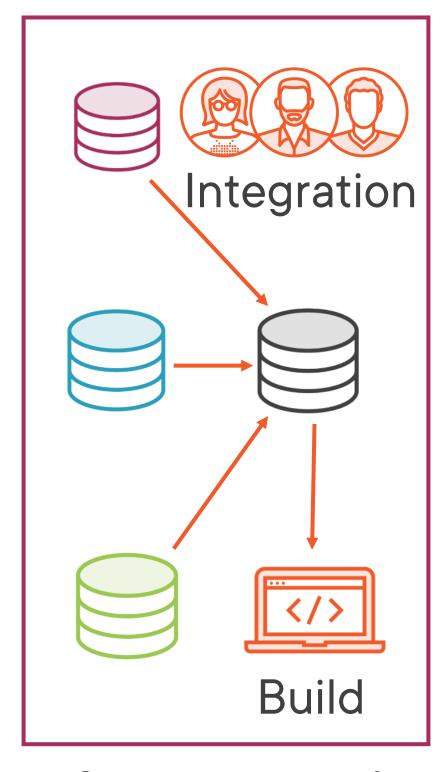


Schedule Module





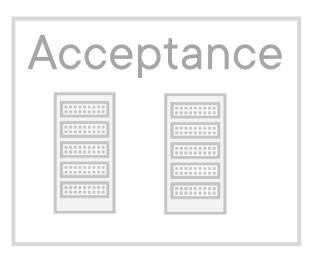


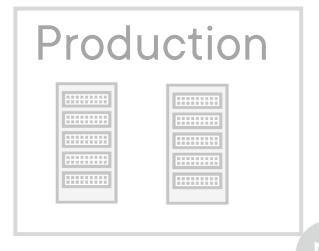


















Warehouse Module





Schedule Module



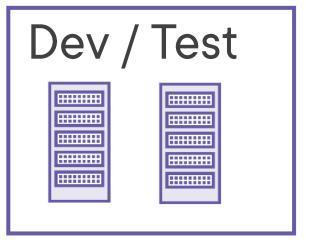
Inventory Module

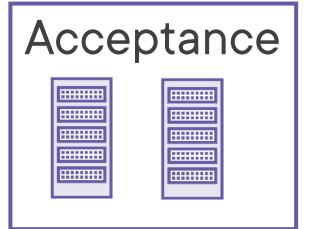


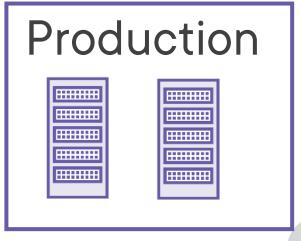








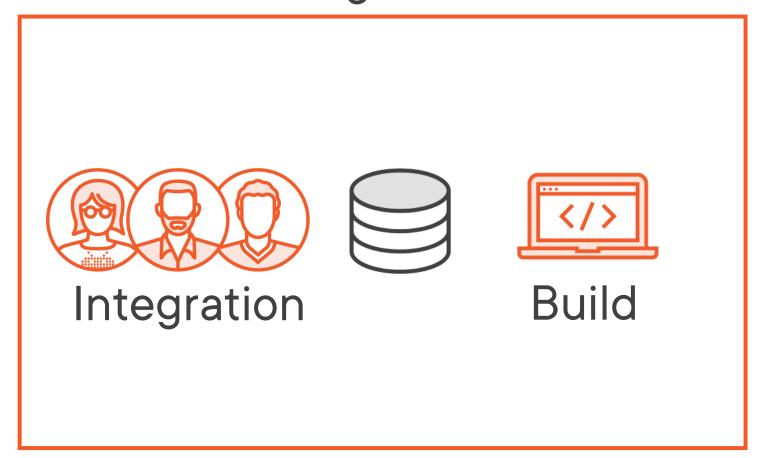




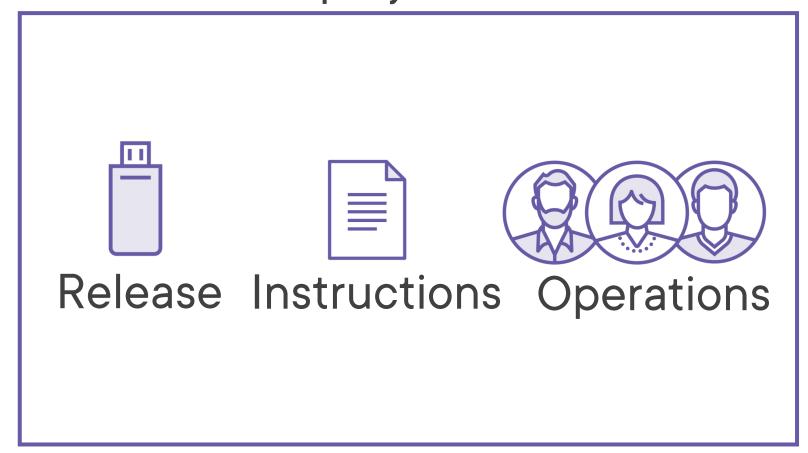


What Can We Improve?

Integration



Deployment

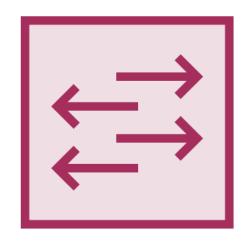


What Can We Accomplish?









Faster Delivery

Lower Costs

More Flexibility



What Can We Accomplish?



Customer Satisfaction



How Do We Get There?

CD

Continuous Integration

Continuous Delivery



Summary



Value Through IT

Manually

Things to accomplish

- Higher quality
- Higher delivery speed
- Lower costs
- More flexibility

Happy users & customer satisfaction

Continuous Integration

Continuous Delivery

