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Enterprise Agility and DevOps

Building blocks for delivery transformation

A changing landscape

The speed of technology innovation is giving rise to new business models demanding organizations to shift to empirical approaches and behaviors to stay relevant.

Enterprise agility is now essential given the rapid change in the business and technology landscape.

Customer expectations are changing quickly, as are the ways in which they engage with businesses.

Organizations must proactively plan, adapt, and innovate to deliver higher quality technology in less time and with a smaller budget.

4x — IT is expected to deliver projects 4X faster with the same budget[1]

70% — of IT budgets are spent on running the business, not innovation[1]

[1] Deloitte, 2015 global CIO survey

What is DevOps?

DevOps is a software delivery approach, culture, or practice that brings development teams and other IT stakeholders together to achieve a common business goal of delivering work faster while maintaining excellence in quality.

People

Establish a talent model that builds cross functional skills enabling truly autonomous, self-organizing, and product centric teams

Process

Establish interconnected processes across all phases of development and operations for consistent and predictable deployments
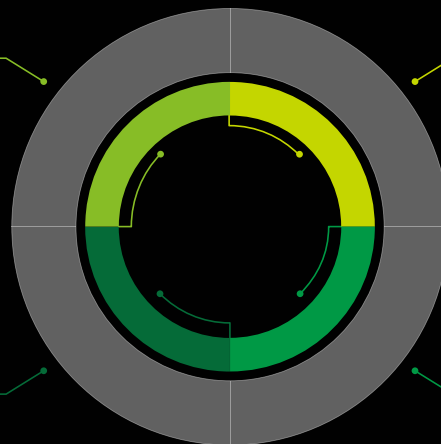
Technology

Leverage the tool chain to automate and optimize the deployment pipeline enabling frequent feature releases

Governance

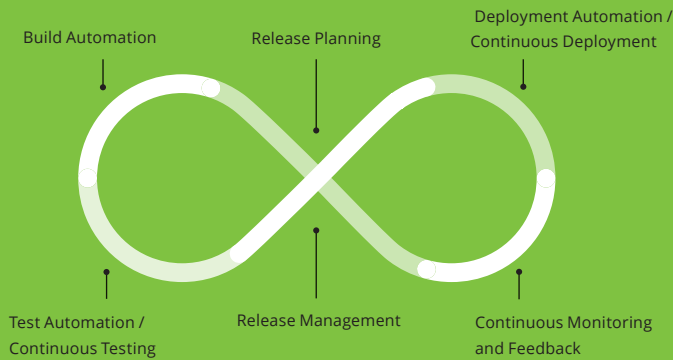Build a governance model to support consistency and smart scalability through the DevOps evolution

These four components must work together so organizations can deliver a better quality product faster, at a regular cadence, and in a collaborative manner.

DevOps Processes

DevOps requires adoption of empirical behaviors and lean principles to optimize the software delivery processes.

Build Automation

Release Planning

Deployment Automation /
Continuous Deployment

Test Automation /
Continuous Testing

Release Management

Continuous Monitoring
and Feedback

Why DevOps?

DevOps is the future of application lifecycle automation.

DevOps process automation and integration reduces the time and effort spent on manual tasks such as application testing, build, and deployment.

Organizations that have embraced a modern DevOps strategy can deliver product updates in very short cycles.

Value and Impact

Organizations adopting DevOps are already seeing an 18% to 21% reduction in time to market[1].

The release of new products and services and improved customer experience and satisfaction has led to a 20% increase in revenue for many organizations.

Collaboration
App quality
Customers
New services
Time-to-market

200x
more
deployments
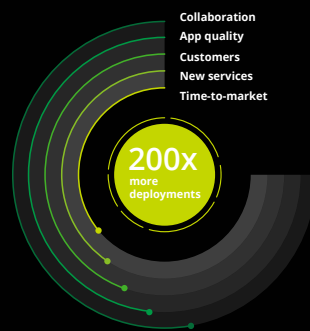
Shorter release cycles lead to an improved customer experience[2]

Deloitte Approach

Organizations are unique and the right IT delivery model has to be tailored to the organization, balancing business value, risks, and technical feasibility. At Deloitte, we have an established framework and collaborative approach to guide our clients on their DevOps transformation journey.

Scale

Adopt

Pilot

Vision

Define
Train
Coach
Run

Deloitte's Approach to DevOps Transformation[3]
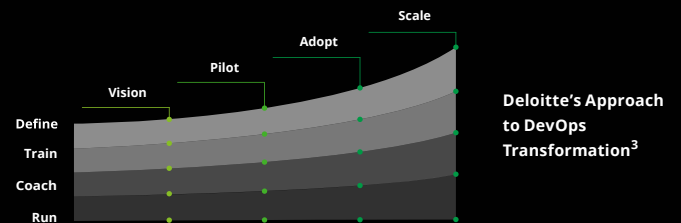
[1] Worst-Kept Secret to Winning in the Application Economy – October 2014

[2] 2016 State of DevOps Report by Puppet Inc., and DevOps-Research.com

[3] TS&A US IT Strategy : Deloitte Consulting LLP 2017

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