The Evolution of DevOps

Enterprise's Solution to Software Development

Every organization is a software company. Applications are never complete, but are constantly being adapted to meet the needs of business. In comes DevOps.

WHAT IS DEVOPS?

DevOps accelerates development, testing, and deployment of applications through tools and techniques that automate configuration tasks for operations — and give developers more control throughout the application lifecycle.

2009

The term "DevOps" becomes popularized – started among web-based businesses (Netflix, Etsy), but now enterprises see benefit and are capitalizing on adoption.

HOW ENTERPRISES ARE EMBRACING DEVOPS

61%
of organizations are adopting new philosophies and strategies like agile development and DevOps for the upcoming year.

Up from **48%** this past year

77%
of organizations agree that their IT development and IT operations teams collaborate frequently.

56%
of organizations agree that their IT operations team is playing an increasing role in managing outsourced development activities.

> "It takes a lot of time. It takes effort from people at the top and it takes effort from people on the bottom as well. It's not just the CEO saying, 'Next year we're going to be DevOps.' That doesn't work. It has to be a cultural change in the way people are interacting."
>
> MICHAEL REMBETSY, VP OF TECHNICAL OPERATIONS, ETSY

WHY DEVOPS IS NECESSARY

Adaption of Traditional Development Methods

Waterfall methodology is a linear progression through development stages = misinterpretations and failed projects

60% of organizations still use a waterfall development approach.

Agile development is all about change: faster time to market, smaller and more frequent builds, and a welcoming attitude towards new requirements

41% of organizations use an agile development approach, and DevOps serves the needs of this approach.

DevOps is the solution for a more sustainable process.

Innovative Mobile & Web Applications on the Rise

Mobile & web apps are essential to connect with customers and partners and capture their preferences and needs – no such thing as "one-and-done" with these applications as they are always changing

DevOps shortens time of production – adds automation & streamlines workflows so developers can build, test & deploy modularly.

49%
of organizations plan to increase their investment in custom mobile app development.
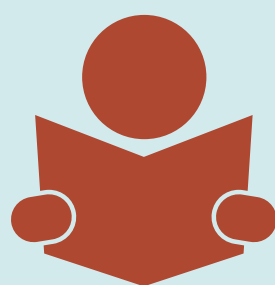
PLANS TO MOBILIZE APPS...

57% Customer Relationship Management apps

51% Enterprise Relationship Management apps
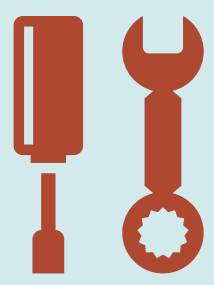
50% Field Force Automation apps

HOW WILL DEVOPS EVOLVE JOB ROLES?

Important Skills for Developers' Success

30% say familiarity with the agile development process

25% say DevOps tools

Benefits of Using DevOps Methodology

More automated development process (freeing up my time)	**41%**
More positive interactions with the operations team	**38%**
Accelerated time to production	**38%**
Ability to improve the product for which I'm responsible	**38%**

Lack of DevOps Approach Can Lead to:

Lack of visibility into IT operations requirements early in the development lifecycle

Increased development costs

Less collaboration between development, IT operations and business

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