

DEVELOPMENT + OPERATIONS

DevOps

IS A SOFTWARE DEVELOPMENT TREND, AN EXTENSION OF AGILE METHODOLOGY!!!

TRUE DIGITAL TRANSFORMATION INVOLVES DEVOPS ADOPTION

TRANSFORMATION INVOLVES

DEVOPS  AGILE

81%

OF GLOBAL BUSINESS SAID AGILE AND DEVOPS ARE CRITICAL FOR A SUCCESSFUL DIGITAL TRANSFORMATION

75%

OF CXOS SEE DEVOPS AS AN ITEM TO EXPLORE IN 2017

WHY 25% DIDN'T?

A QUESTION WHICH MIGHT BE HANGING IN YOUR THOUGHTS

THERE ARE SOME REASONS BEHIND NON ACCEPTANCE OF DEVOPS;

- RESISTANCE TO CHANGE
- FEAR OF RISK
- SECURITY AND COMPLIANCE
- LACK OF UNDERSTANDING ABOUT DEVOPS

Let's have a look at the product life cycle **with** and **without** DevOps...

STARTING FROM REQUIREMENTS TO PRODUCTION DEPLOYMENTS, the multiple human interventions at different places makes it an **INTERESTING STORY FOR ANY BUSINESS.**

Without DevOps

Environment 1 - Environment 2
Development - Operations
Code - Installation

- Two environments are different or are not periodically synchronized which might result in failure or rework
- New development tools make coding faster but ops can't cope up with frequent changes and releases
- As production servers need some fine tuning at the database or OS level, lack of skill or expertise makes deployment a risk.
- Lack of visibility about production server's behavior to developers makes life difficult for ops team during deployment

With DevOps

Environment 1
Development & Operations
Code and Installation

- Build production environment like systems for development and testing i.e. same environment is used to develop, test and deploy
- Deployments has to be iterative and frequent ensuring a reliable and repeatable process
- Constantly monitor and authenticate operational quality characteristics
- Expand feedback loop

Most of the tools **EASY TO USE, FLEXIBLE** and are available as **OPEN SOURCE** which is one of the **IMPORTANT FACTOR OF CONSIDERATION**



WHY IS IT SO IMPORTANT TO HAVE DEVOPS?

DEV | OPS

HIGHER QUALITY OF CODE PRODUCTION

FASTER RECOVERY FROM FAILURES

SPEND **MORE TIME** ON INFRASTRUCTURE IMPROVEMENT

TRANSPARENCY BETWEEN TEAMS FOR BETTER PRODUCTIVITY

LOWER CHANCE FAILURE RATE

HIGH RATES OF DEPLOYMENT

30X MORE FREQUENTLY WITH **200X** SHORTER LEAD TIMES; they have 60x fewer failures and recover 168x faster

MORE PACE FOR INNOVATION AS FAILURES COST LESS

IMPROVED TIME TO **MARKET**

2.5X FREQUENT RELEASES

LESSENS OVERALL **COST**

MORE THAN 50% of the businesses recognizes DevOps as a **CULTURAL SHIFT** within the business to **DELIVER** at the pace of **TECHNOLOGY & INNOVATION**

BY 2020, 20% OF ENTERPRISES WILL BE USING DEVOPS TO SUPPORT TRADITIONAL IT INITIATIVES, **UP FROM FEWER THAN 5% TODAY**

NOW, HOW YOU ARE GOING TO START IT RIGHT?



AUTOMATE INCREASES OVERALL SPEED & IMPROVISE PERFORMANCE



LEARN THE TOOLS & TECHNIQUE MAKE THE TEAM TO LEARN ABOUT TOOLS AND ITS BENEFITS



START COUNTING THE METRICS MAKE USE OF THE CRITICAL METRICS TO TELL YOUR SUCCESS STORY.

COLLECT MOST OF THE METRICS TO **DEFINE THE SUCCESS**



KILL THE RESISTANCE TO CHANGE BREAKDOWN THE BARRIERS

BETWEEN **VARIED CULTURE** AND BEGIN TO COLLABORATE TO **ACHIEVE TEAMWORK**

