DevOps- Challenges & Solutions

“But why is it shipped so late”

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Speaker Bio

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Forbes Article
Writer: https://www.forbes.com/sites/forbestechcouncil/2017/05/10/does-scrum-live-up-to-its-hype/2/#59ee25125a52

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• I am a **servant**, an Agile Coach, a mentor, a guide, a friend, a philosopher, to many leading professionals in America and globally for last more than a decade.

• I have trained thousands, from **C level executives** to Team level, in Agility.

• I have more than three decades of corporate experience from Fortune 500 to start up environments- from techie to business side.

• I like to adapt latest trends in Agile- DevOps, Mindfulness, Democratization of Fortune 500 Top Down culture, reduce CEO Salaries and C level clout and tyranny in modern enterprise.

• I do want to expedite things but think- "How to create an equal world". I am a life long learner and love to challenge myself.
What is DevOps?

DevOps is a **Culture** of Trust and Collaboration in which **People** use the Right **Tools** for Automation to achieve **Continuous Delivery**.
DevOps- *is it just tools?*
What are the benefits of DevOps?

- Software/services made available across more platforms: 31% Already Seen, 60% Expect to See
- Increased frequency of deployments: 46%
- Increased collaboration between departments: 33%
- A reduction in time spent fixing and maintaining applications: 34%
- Increased numbers of customers using our software/services: 39%
- Improved quality and performance of our applications: 36%
- New software/services that would otherwise not be possible: 32%
- Reduced time-to-market: 34%
- An increase in revenue: 34%
- A reduction in spend on development, testing or operations: 31%
- Fewer employees working on developing and deploying our software/services: 30%

Figure 1: What benefits have you seen or do you anticipate seeing from implementing DevOps in your organization? Total: 1,256 respondents who already have or plan to implement DevOps.

Source: Harvard Business Review Analytic Services Survey, September 2018

Source: networkworld.com

Source: intellipat.com

Source: datacenterknowledge.com
What is the current problem?
Exercise......

Let us Discuss some challenges faced by teams during DevOps adoption with companies in this room..............

- Each Table to discuss Top challenges faced
- Summarize- 1 person
- Key takeaways

Time: 10 minutes
Some other challenges faced with DevOps?

DevOps Adoption Challenges

- **Technical Complexity**: DevOps promotes choice: “the best stack for your problem”
- **Bad Quality**: DevOps today mainly driven by Biz “faster to market” but not “quality to market”
- **Alert Drowning**: Tool diversity results in way too many “non actionable alerts”
- **Disruption of Traditional Ops**: Overwhelmed with change/work “IT-less IT Teams”

5 CHALLENGES PLAGUING DEVOPS

- **CULTURE**
- **COMMUNICATION & PROCESSES**
- **INFRASTRUCTURE**
- **TOOLS & APPS**
- **BUDGETING**
Key Challenges- Harvard Business Review Report

Making IT/Ops/Infra. First-Class Citizens In The Modern Software Delivery Life Cycle
Exercise

How do we solve current DevOps challenges faced by teams in this room?

10 minutes

- Let us discuss on each table
- Each table to present the solutions
- Key takeaways from each table
How to ship it early? Solving the problem

CAMS- Approach

1. Normalize the technology stack
2. Standardize and reduce variability
3. Expand DevOps practices
4. Automate infrastructure delivery
5. Provide self-service capabilities

SAFe- CALMR Approach

The five stages of DevOps evolution: An introduction

DevOps Report 2018
What is the solution?

Fail fast and fail often culture will help solve problems
DevOps Game: The Phoenix Project-Simulation: Sogeti

The simulation game consists of a one-day workshop for a group of 10-12 participants and can be facilitated at company locations. 1 day class- Certified Trainer Only.

Key takeaways:
- How to adapt *DevOps principles* in a real-life environment
- How to *enhance collaboration* and skill development in DevOps teams
- How to *engage business in IT projects* and celebrate successes together

xebia.com
Success Stories - DevOps

DevOps Enterprise: Lessons Learned

- In 2018, IT Revolution held the fifth DevOps Enterprise Summit, a conference for horses, by horses
- Over the years, the conference has hosted over 250 leaders from:
  - Capital One, KeyBank, Barclays, GE Capital, ING Bank, Fidelity, PNC, ADP, BofA, Western Union, IBM
  - Nationwide Insurance, Zurich Insurance, Hiscox, Aviva, LV=
  - Walmart, Nordstrom, Target, Macy’s, Marks and Spencer
  - Nike, Adidas, Sherwin Williams
  - Verizon, Telstra, T-Mobile, Orange, CSG
  - Raytheon, Lockheed Martin, Northrop Grumman, CSRA, Jaguar Land Rover
  - Disney, Ticketmaster, NBC/Universal
  - Kaiser Permanente
  - Amazon PrimeNow, CA, Compware, Google Search, IBM, MicroFocus, Microsoft, SAP
Debrief & Road ahead

• Q&A
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What is DevOps?

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