

# Devops Series - Introduction

Ahmad Luqman



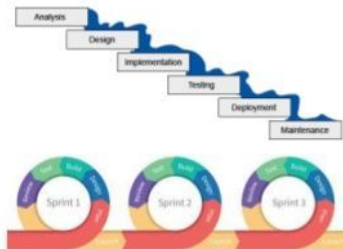
“Change is disturbing when it is done to us, exhilarating when it is done by us.”

Rosabeth Moss Kanter

# Waterfall

# Agile

# DevOps



## WATERFALL



Decision Points

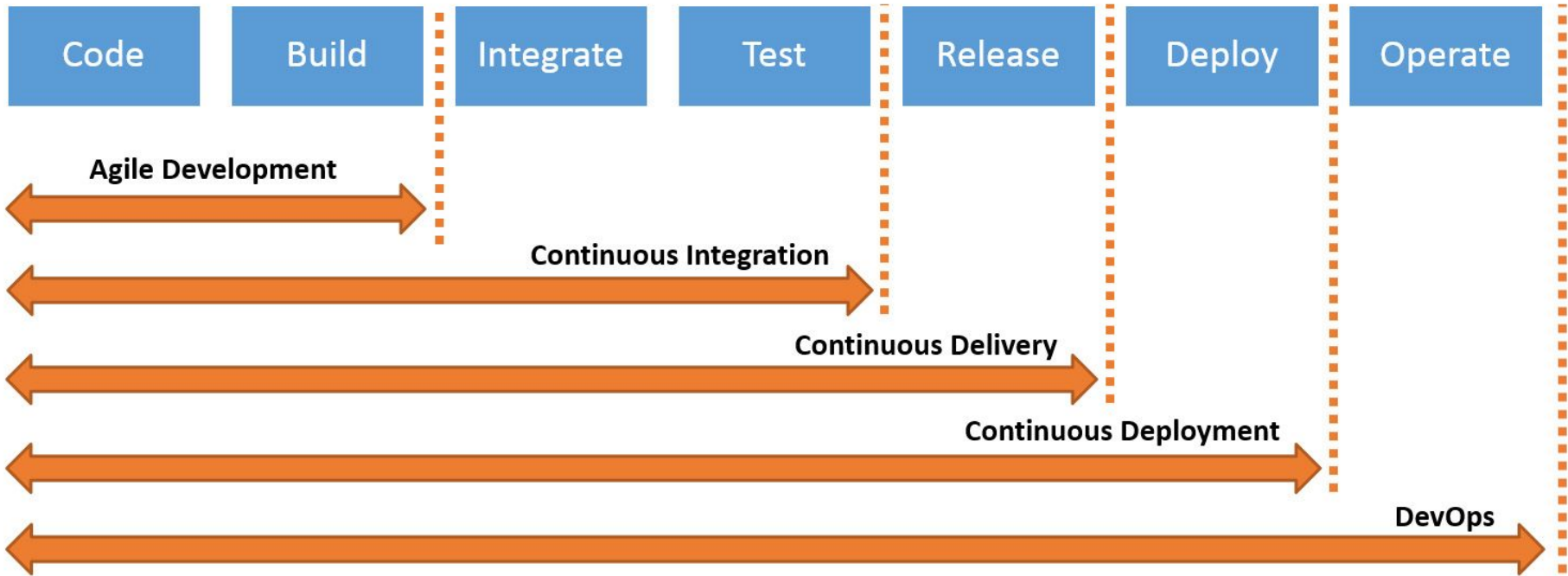
## AGILE



SPRINTS/DECISION POINTS

## DEVOPS

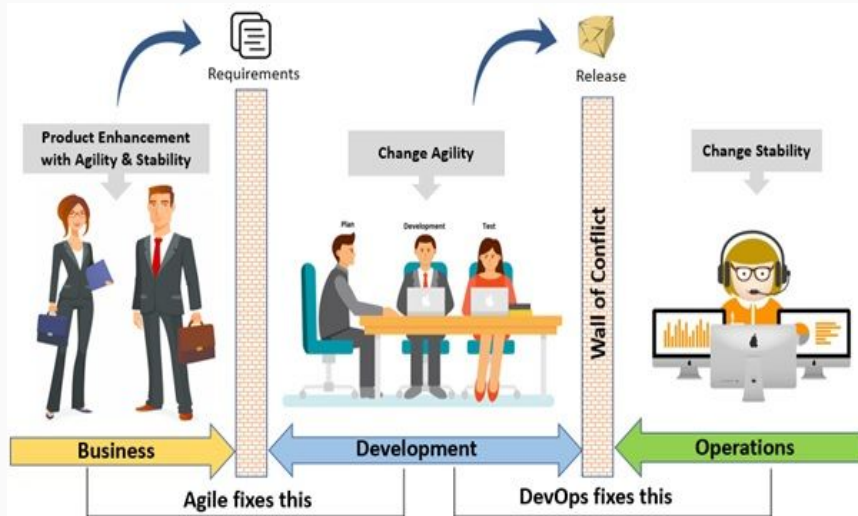




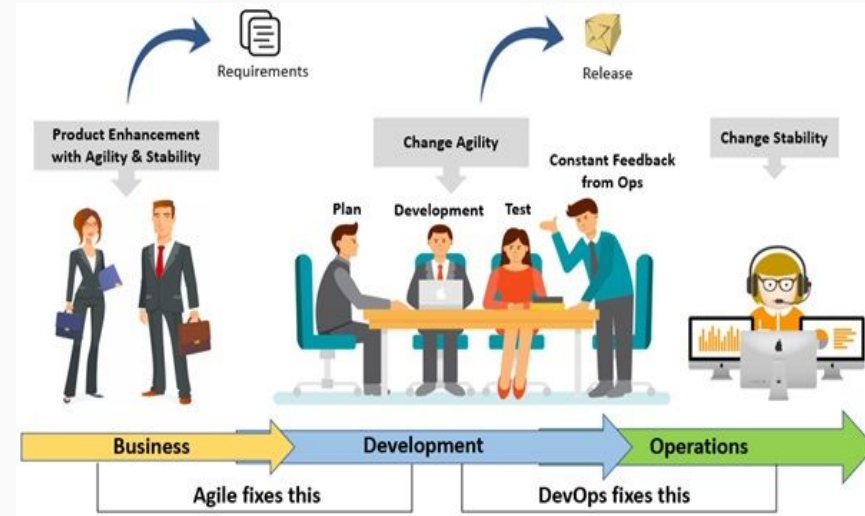
# Devops

The word “DevOps” is a mashup of “development’ and “operations” but it represents a set of ideas and practices much larger than those two terms alone, or together.

# Without Devops



# With Devops



# What is Devops?

DevOps is the combination of cultural philosophies, practices, and tools that increases an organization's ability to deliver applications and services at high velocity: evolving and improving products at a faster pace than organizations using traditional software development and infrastructure management processes.

Source: <https://aws.amazon.com/devops/what-is-devops/>

# DevOps best practices:

- Continuous Integration
- Continuous Delivery
- Microservices
- Infrastructure as Code
- Monitoring and Logging
- Communication and Collaboration

Source: <https://aws.amazon.com/devops/what-is-devops/>



## Collaborate

## Build

## Test

## Deploy

## Run

### Application Lifecycle Mgmt.



### SCM/VCS



### Testing



### Deployment



### Cloud / IaaS / PaaS



### Communication & ChatOps



### CI



### Config Mgmt. / Provisioning



### Orchestration & Scheduling



### Knowledge Sharing



### Build



### Database Management



### Artefact Management



### BI / Monitoring / Logging



A Novel About IT,  
DevOps, and Helping  
Your Business Win

# The Phoenix Project

Gene Kim, Kevin Behr,  
and George Spafford



5TH  
ANNIVERSARY  
LIMITED  
EDITION

The

# DevOps Handbook

HOW TO CREATE WORLD-CLASS  
AGILITY, RELIABILITY, & SECURITY  
IN TECHNOLOGY ORGANIZATIONS



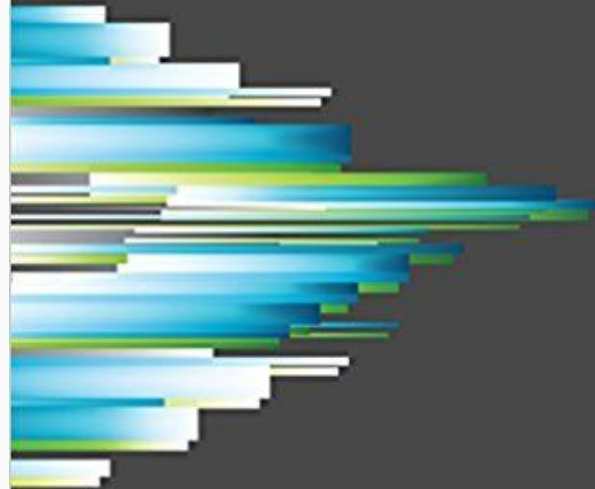
GENE KIM,  
JEZ HUMBLE,  
PATRICK DEBOIS,  
& JOHN WILLIS

FOREWORD BY JOHN ALLSPAW

THE SCIENCE OF DEVOPS

# ACCELERATE

Building and Scaling High Performing  
Technology Organizations



Nicole Forsgren, PhD  
Jez Humble *and* Gene Kim



2018

# State of DevOps Report

Presented by:

