

# DevOps Fundamentals

Empower your organization to achieve more

DevOps has been shown in numerous studies and reports to improve enterprise IT performance. Organizations that have adopted DevOps have increased profitability, market share, and productivity goals.

DevOps is the union of people, process, and products to enable continuous delivery of value to your end users. It is a culture change, a lean inspired mindset and a set of practices that focus on eliminating waste.

## Outcomes

The DevOps fundamentals offering introduces the business value of DevOps then walks the attendees through the essential practices required for a healthy implementation of DevOps within an Organization.

A mix of Slides, Case Studies, Demos and Hands on labs will be used to fully illustrate the concepts that teams need to initiate a DevOps journey.



### Shorten cycle times

Speed up development cycles with developer productivity tools. Automate the workflow between Dev and Ops and deploy faster. Continuously measure, learn and improve with state of the art DevOps practices and tools.



### Improve quality

Easily plan, execute and monitor your entire quality assurance efforts, continuously. Fix issues faster with insights and information captured in production.



### Optimize IT resources

Improve developer agility and resource efficiency with cloud dev and test environments. Eliminate over-provisioning and automate your deployment workflow with cloud environments.

## Capabilities

This offering was specifically designed for teams that want to embark on a DevOps journey. It is encouraged that representatives from each role in the team attend the training. By pair working through the hands on labs, your

team members will get to learn about the capabilities that they already have and others that they will need to dive further into them.

# 01

## People

Discover the roles needed in a DevOps organization and learn how they complement each other.

# 02

## Process

Learn about enablers that can help you optimize your process and eliminate waste.

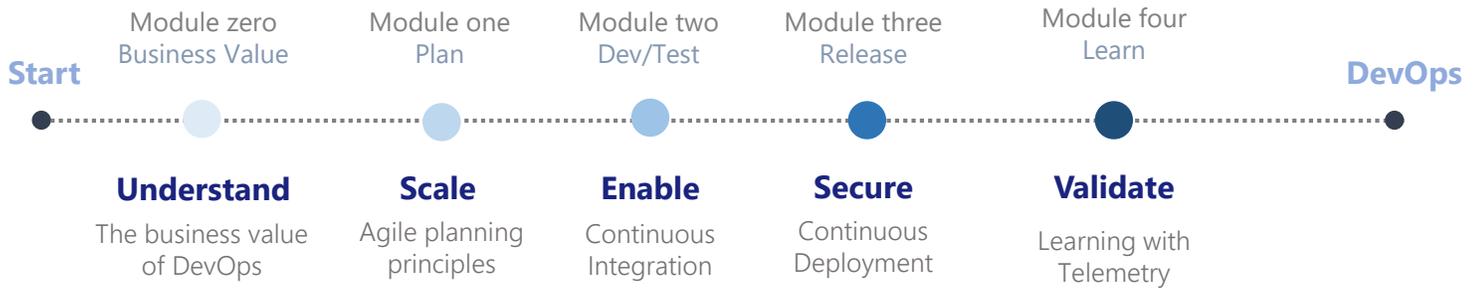
# 03

## Products

Discuss how products and tools should automate your process and support your team needs.

Scope

Duration: 4 days



Customer evidence



*Before attending this workshop, our development, quality assurance and operations teams were working in disconnected silos. Now, I feel like we have a direction to go and everyone has caught fire.*

Director of Software Development at a major Bank.

Agenda

**Module 0: Understanding the business value of DevOps**

(+ case study).

**Module 1: Plan** (+ lab)

**Module 2: Dev & Test**

2.1 CI/CD Strategy

2.2 Source Control Management using git (+lab)

2.3 Shift Left Testing (+lab)

2.4 Build Management (+lab)

**Module 3: Release**

3.1 Release Management (+lab)

3.2 Feature Flags (+lab)

3.3 Infrastructure as code (+lab)

**Module 4: Learn**

4.1 Application Performance and Availability Monitoring (+lab)

4.2 Tracking the right Key Performance Indicators.