Lesson 2.3: The Importance of Iteration and the Evolution of Roles

DEVOPS CULTURE AND MINDSET

The Importance of Iteration and the Evolution of Roles

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Slide 1: Learning Objectives

Learning Objectives

Discuss importance of **iteration**

Describe **evolution of roles**

Explain **benefits** of DevOps approach

Slide 2: The Value of Starting Small

The Value of Starting Small

Learn what works and what does not

Then **scale** to entire organization

Slide 3: Why not “go big” to start?

Why not “go big” to start?

It has a certain appeal

Slide 4: Benefits of Pilots and A/B Testing

Benefits of Pilots and A/B Testing

Make sure it **works**

Incorporate learning as you go

Slide 5: Pilots at Nike

Pilots at Nike

Focusing on just **6 pilot teams**

Once we figure things out, then we'll scale to **hundreds of teams**

Slide 6: Start Small with Feature Delivery

Start Small with Feature Delivery

Start small

Get immediate feedback

Learn fast

Adjust

Slide 7: Traditional Silos

Traditional Silos

Dev Team

QA Team

Operations

Slide 8: Benefits of an Integrated Team

Benefits of an Integrated Team

Able to be **proactive**

Fix code before testing

Fast **feedback loops**

Slide 9: Rolling Out Organizational Change

Rolling Out Organizational Change

Starting small & running pilots saves:

- Time
- Money
- Effort

Slide 10: Product Owner Role

Product Owner Role

Let **business systems analysts** take on product owner role within development teams

Product owner role is **most critical**

Day-to-day **decision maker**

Slide 11: Evolution of Developers

Evolution of Developers

Change mindset to: **Developer/Engineer**

Accountable for **development**, **quality**, **security**, and **non-functional requirements**

Important to help developers see the **bigger picture**

Slide 12: Lines around Roles are Blurring

Lines around Roles are Blurring

Development

Quality Assurance

Operations

Slide 13: Traditional Roles and Lines Were Clear

Traditional Roles and Lines Were Clear

Business analyst **wrote requirements**

Developer **wrote code**

QA tested and **assured quality**

Slide 14: DevOps and Lean Culture

DevOps and Lean Culture

Team members play **multiple roles**

To effectively **deliver value** to customer

Slide 15: An Example from Nordstrom

An Example from Nordstrom

Moved all needed roles into **1 team**

CI/CD pipelines **built together**

Product feedback built into the process

Slide 16: An Example from Nordstrom

An Example from Nordstrom

Quickly **delivered value**

Identified and **resolved**
issues **in hours**

Driving a **ton of revenue**

Slide 17: Summary

Summary

DevOps requires people to re-evaluate

Change their roles

Shift their thinking