

Applying DevOps in AGILE Development

Course Description

This course is ideal for professionals who need to manage or contribute (as developer) in digital projects. It will guide you with strong foundation on project management, including an overview of standard project management methodology (Waterfall) and in-dept understanding of AGILE.

It will then go through with the integrated practice of AGILE and DevOps terminology – the cultural and professional movement that stresses communication, collaboration, integration and automation in order to improve the flow of work between software developers, IT operations professionals, SCRUM master and product owner under any significant digital project. Improved workflows will result in an improved ability to design, develop, deploy, test (TDD – Test Driven Development), operate and maintain software and services faster and more efficient without losing control and traceability.

Course Objective

Upon completion of this course, you will be able to understand the core concept of AGILE methodology, both in project management and development environment, recognize how AGILE and DevOps terminology could be integrated to enhance productivity, capability and maturity of digital products and services.

The course will help embed you with appropriate skill and knowledge to:

- Waterfall and AGILE project management concept
- Effective collaboration and communication
- The integrated and cross-functional (Full Stack) team
- Concepts and practices – including its relationship to Agile, Lean and IT Service Management (ITSM)
- Integrated concept of AGILE and DevOps
- Improved workflows, collaboration and feedback loops
- Reliance on simplification, optimization then automation
- Applying AGILE and DevOps in an enterprise environment
- Metric that matter – Critical Success Factors and Key Performance Indicators
- Leveraging CMMI® V2.0 and DevOps to Maximize Agile Transformation

Who should attend?

The primary audiences for this course are as follow:

- Managements and staffs of organizations those required to enhance or enable their business through the needs of properly formed digital projects which will be able to response to rapid changes, ensure customer satisfaction and time-to-market; to support broader business goals.
- Managements and staffs of organizations who interested in realizing the benefit of AGILE and DevOps method to boost the bottom line by enhancing the team collaboration, embed common goal and improve the capability to achieve the target.
- Product Owner, Project Manager, SCRUM Master, Project Lead, Project Coordinator, Project Contributor and Developer.
- Individual who interested in AGILE and DevOps method.

Course Outline

Day 1

- Waterfall project management fundamental
- Agile project management methodology, SCRUM model and Sprint
- Understand basic concepts of common AGILE methods and its contrast to Waterfall project management
- Apply and evaluate the project that could fit for AGILE method
- AGILE techniques and hybrid program management with the mixes of AGILE and Waterfall
- Understand purpose and the needs for combining Lean, AGILE, DevOps and IT Service Management

Day 2

- Why DevOps?
- What is DevOps?
- DevOps Principles
- DevOps and Other Frameworks
- DevOps Culture
- Organizational Considerations
- DevOps Practices
- DevOps Automation Practices and Tool Categories
- Adopting a DevOps Culture

Day 3

- The Principles of Continuous Integrations and Continuous Deployment
- DevOps and ITSM Release and Deployment Management Practice
- Lean, AGILE and DevOps in ITSM Continuous Improvement Practice
- DBTI and Value creation for AGILE and DevOps concept
- Test Driven Development – TDD, Testing and Continuous Delivery
- Security and Continuous Delivery
- Continuous Deployment and Automated Release utilizing GIT (Version Control)
- Utilizing CMMI-DEV 2.0 to achieve governance, control and capability of AGILE and DevOps method
- How to Truly Scale AGILE Development in the Enterprise – with CMMI-DEV 2.0
- Avoid AGILE Chaos with CMMI-DEV 2.0

Course Length:

3 days

For More Information Please Contact: Vnohow (Thailand) Co., Ltd.

90/31 Sathorn Thani Building 1, 12FL, North Sathorn Road, Silom, Bangrak, Bangkok 10500 Thailand
Tel +662-634-3287-9, +662-634-3299 Email vnohow@vnohow.com Website www.vnohow.com