

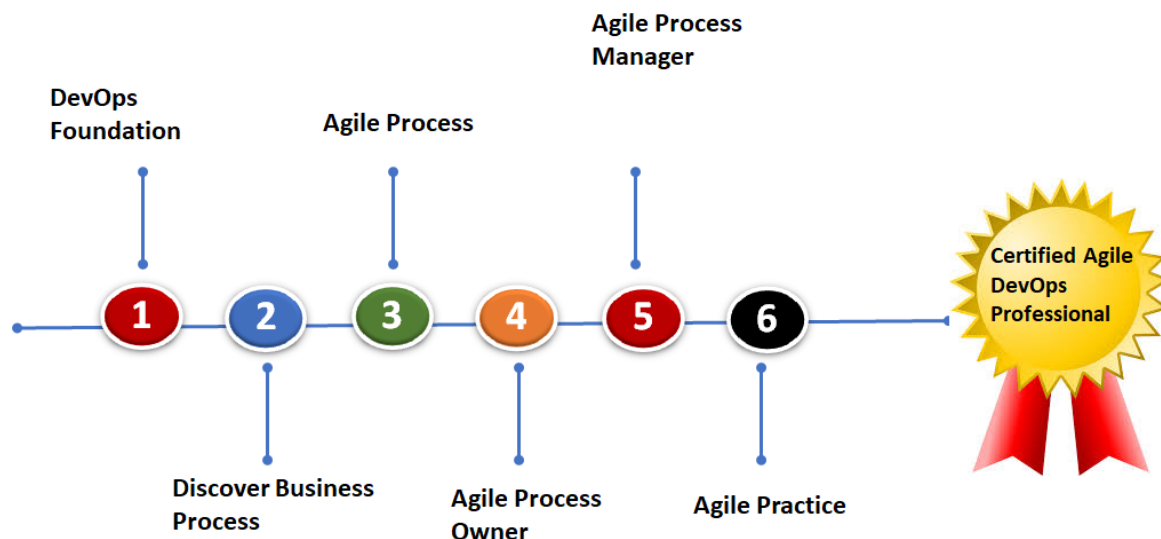


**AGILE INTRODUCTION | BACKLOG | USER STORIES| TEAM
ESTIMATION | SPRINT PLANNING | CANBAN BOARD|
LEAN PRINCIPAL| MONITORING | RELEASE**

14 MODULE | 19 LECTURES | CERTIFICATION ASSISTANCE

QUOTATION AND COURSE OUTLINE

TECHPLEDGE CERTIFIED AGILE DEVOPS PROFESSIONAL AGILE DEVOPS LEARNING PATH



Course Materials

TechPledge will provide a customized set of Lecture Notes for each class scheduled along with Recoded video . You will be given a PDF file which you may make copies from, email to your participants, or make available via internal website.



Learning Path for Agile DevOps Professional

Agile DevOps is by far the most popular Agile framework for completing complex projects. Originally formalised for software development, Agile works well for any complex, innovative scope of work. Offering everything that a Agile Professional needs to know to drive a successful Agile project. Covering the Agile framework in detail, this course is perfect for candidates focusing on Agile , and the Agile DevOps role in particular. We'll focus on what makes a great leader, including how to nurture a productive culture, how to overcome resistance to change and increase the effectiveness of your Agile initiatives

Abilities Validated by the Certification

- Agile principles
- Planning and design
- Developing flexible architecture
- Documentation considerations
- When to optimize
- Common myths and misconceptions about agile approaches
- Agile software engineering techniques
- Extreme programming (XP) and test-driven development (TDD)
- Kanban for developers
- Limiting work in progress (WIP)
- Scaling the output of agile teams
- Testing and handling bugs
- Structuring a release pipeline

Who Should Learn

This Agile DevOps Course is designed for the following job roles in mind:

- IT Managers, Directors or Team Leads
- System Administrators

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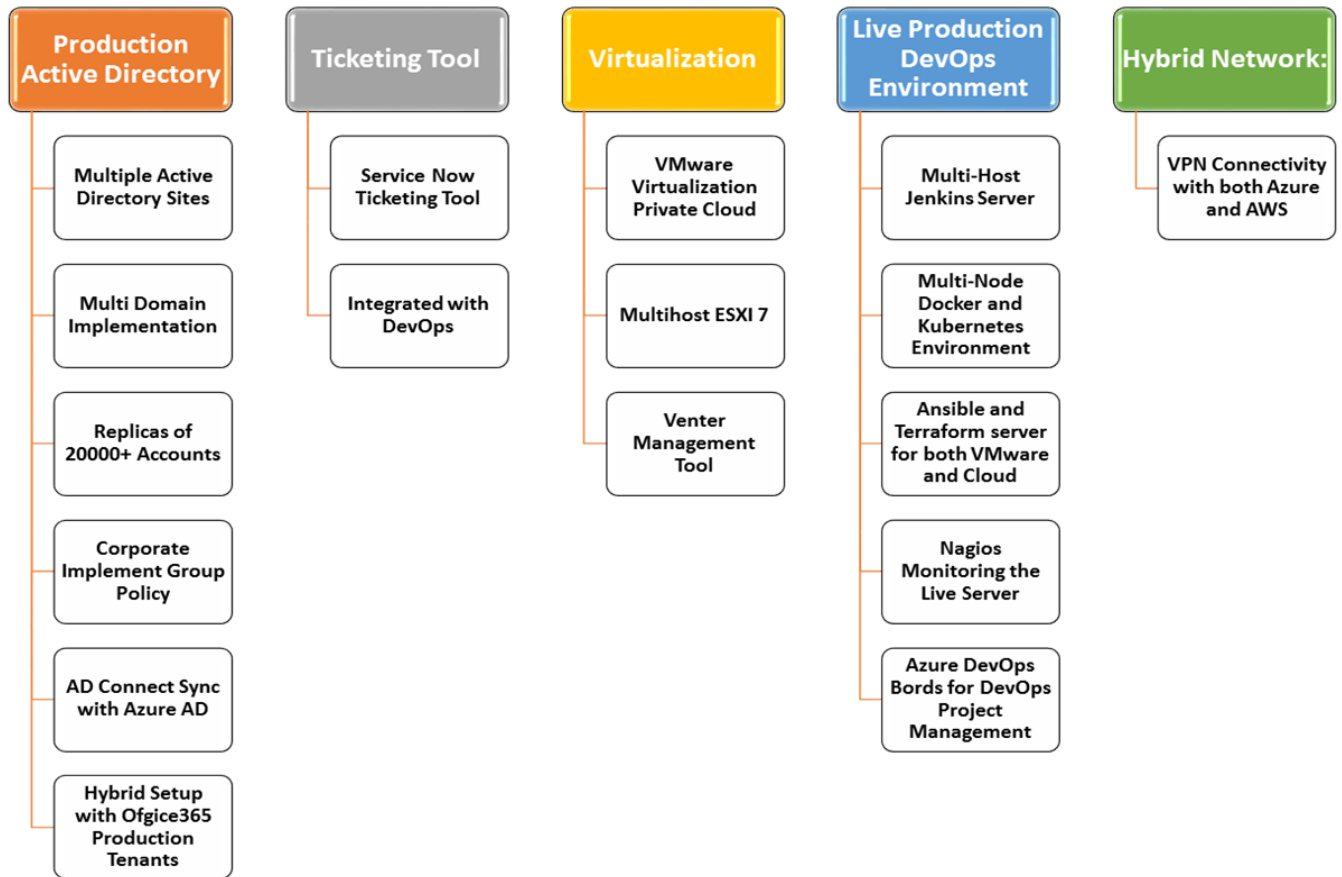
- Application Developers and Managers
- Application Development Manager
- Business Analysts
- IT Operations Staff
- Anyone involved in release or feature planning
- IT Stakeholders
- Engineers
- Product Owners
- Anyone looking to expand Agile DevOps practices

Customer Immersion – Live Production Walkthrough

6 Hours Live walkthrough the complete Infrastructure Integration and Migration Process in production environment with full setup of Infrastructure Like **AD, Microsoft SQL , Microsoft Exchange, File Server , ADFS and** DevOps Tool Like **Jenkins , Ansible , Docker , Terraform, GCP CLI, AWS Code Deploy , AWS Code Pipeline , Azure Pipeline and Azure ARM** and Development Environment with Maven, Visual Studio and Python.

The Complete Setups is using **100** of **PowerShell & Linux Script** with **237 CI/CD scripts** (Jason, Yamal).

Below is the High-Level Setup Outline of our Customer Immersion Production Replicas. Student will get the access of this setup at end of the course for 6 hours with AD ID and Organization Email.





Course Outline

Module 1 - Agile-Driven DevOps

- The heritage of Agile and DevOps
- The business case for DevOps
- Common Agile DevOps principles
- Goals of Agile DevOps
- Understanding the overall value chain
- Exercise: Defining your goals

Module 2 – The Waterfall Methods & Agile

- The Waterfall Method
- linear project management approach
- The Advantage and Disadvantage of Waterfall Method
- The Advantage of Agile Process over waterfall
- Agile & DevOps of Process
- The Pillars of DevOps

Module 3 - Critical Principles of Agile

- Effective and quick response to change
- Feedback loops
- Adaptation of work
- Cross-functional roles
- Continuous Integration
- Timeboxing
- Velocity tracking
- Linking work to end value
- Mindset and culture
- Exercise: Agile maturity

Module 4 - Transforming to Agile Culture

- Principles as foundation
- Principles translated to practices
- The critical role of culture
- What is a DevOps culture?
- Top practices for transforming culture
- A new way to fail
- Exercise: Assessing cultural profile

Module 5: Sprints – Agile Practices Applied

- Planning
- Vision
- Roadmaps
- Running a sprint



- Maintaining a backlog
- Grooming a backlog
- Retrospectives
- Velocity and velocity tracking
- Stakeholder roles
- Exercise: An operational sprint simulation

Module 6 - Kanban – Tracking Operational and Project Work

- The Kanban system
- Kanban roots: gaining perspective
- Understanding Workitems
- Backlogs, Bords and Plan
- Plan and Track your work
- Customize your board
- Track work as Stakeholder
- Manage your Project
- Visualizing work
- Work in Progress (WIP)
- Exercise : Work on Azure DevOps or Git Kanban Board

Module 7 - Waste and Application of Lean Principles

- The Lean Principal
- Overproduction
- Work in Progress (WIP)
- Overburdening of teams
- Time available (idle states or waiting)
- Processing
- Inventory, stock, unused assets
- Handoffs and movement of work
- Defects
- Latent skill
- Exercise: Identifying waste

Module 8: Scalability

- Linking business value to operational work
- Scaled Agile principles for increased capacity
- Automation and scaled infrastructure
- Prioritization
- Throttling operational work
- Dissolving operational silos

Module 9: Agile Tools for Project Management and Development

- Top Agile Project Management Tools
- Understanding Azure Boards
- Working with Azure Boards
- Agile Software Development Tool
- Language for developing agile software



- Prioritization

Module 10: Going Back to Work with a Plan

- Identifying your goals
- Next steps
- Open forum and real-world discussion

Course Fee

Call for Price