ProTech Professional Technical Services, Inc.

Certified SAFe® DevOps Practitioner (SDP)

Course Summary

Description

This two-day course provides a comprehensive overview for understanding the DevOps competencies needed to accelerate time-to-market by improving the flow of value through the Continuous Delivery Pipeline. Attendees will map the current value stream through their delivery pipeline from idea to cash, and identify practices that will eliminate bottlenecks to flow.

The course will build an understanding of the complete flow of value from Continuous Exploration to Continuous Integration, Continuous Deployment, and Release on Demand. Attendees will explore SAFe's CALMR (Culture, Automation, Lean, Measure, Recover) approach to DevOps, which helps create a culture of shared responsibility for the full spectrum of Solution delivery. It helps align people, processes, and technology throughout the organization to achieve faster time-to-market.

Attendees will leave with the tools they need to execute an implementation plan for improving their delivery pipeline, and the knowledge they need to support the plan. Attending the class prepares individuals to take the exam and become a certified SAFe® DevOps Practitioner (SDP).

Objectives

At the end of this course, students will be able to:
- Understand what the CALMR approach to DevOps is, why it is so important, and be able to explain it to others
- Understand the importance of continuous integration, continuous testing, and be ready to apply it
- Apply the concepts of continuous security
- Map the current delivery pipeline
- Measure the flow of value through the delivery pipeline
- Improve the process of exploring customer needs
- Improve the release process
- Improve the process of developing, building, and integrating continuously
- Improve the process of continuously deploying to staging and production environments
- Execute an action plan for a DevOps transformation

Topics

- Introducing DevOps
- Mapping your Continuous Delivery Pipeline
- Gaining alignment with Continuous Exploration
- Building quality with Continuous Integration
- Reducing time-to-market with Continuous Deployment
- Delivering Business Value with Release on Demand
- Taking Action

Course Summary (cont)

Audience

Those who can benefit from this course include:
- Members of an Agile Release Train
- Development Managers, Engineering Managers
- Configuration Managers, Release Managers
- Development Leads, Developers, UI/UX Developers
- Infrastructure Architects, System Architects
- Product Managers, Product Owners
- System Administrators, DBAs, InfoSec
- QA Managers, Testers
- Release Train Engineers, Scrum Masters

Prerequisites

There are no prerequisites for attending this course.

Duration

Two days

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Course Outline