DevOps – Foundation Certificate Program

Course Summary

Description

This course provides an introduction to DevOps – the cultural and professional movement that stresses communication, collaboration, integration and automation in order to improve the flow of work between software developers and IT operations professionals. Improved workflows will result in an improved ability to design, develop, deploy and operate software and services faster.

Objectives

After taking this course, students will understand:

- DevOps objectives and vocabulary
- Benefits to the business
- Concepts and practices — including its relationship to Agile, Lean and IT Service Management (ITSM)
- Improved workflows
- Improved communication and feedback loops
- Reliability on automation
- Applying DevOps in an enterprise environment
- Critical success factors and key performance indicators
- Real-life examples and results

Topics

- Basic concepts
- Value of DevOps
- Organizational consideration
- Culture
- Practices
- Automation
- Key principles and terminology
- Relationship to other frameworks

Audience

The target audience for the Foundation qualification is Management, Operations, Developers, QA, Testing, and Service Management.

- Individuals involved in IT development, IT operations or IT service management
- Individuals who require a detailed understanding of DevOps principles
- IT professionals working within, or about to enter, an Agile Service Design Environment

The following IT roles:
- DevOps Engineers
- Integration Specialists
- Operations Managers
- System Administrators
- Network Administrators
- Project Managers
- Business Managers
- Automation Architects
- Application Developer / Software Programmer
- Software Tester / QA
- Business (Requirements) Analyst

Due to the nature of this material, this document refers to numerous hardware and software products by their trade names. References to other companies and their products are for informational purposes only, and all trademarks are the properties of their respective companies. It is not the intent of ProTech Professional Technical Services, Inc. to use any of these names generically.
Due to the nature of this material, this document refers to numerous hardware and software products by their trade names. References to other companies and their products are for informational purposes only, and all trademarks are the properties of their respective companies. It is not the intent of ProTech Professional Technical Services, Inc. to use any of these names generically.

DevOps – Foundation Certificate Program

Course Summary (cont.)

Prerequisite

- Completion of pre-class assignment
- Familiarity with IT and IT service management is recommended

Duration

Two Days