

Module Title : DASA DevOps Practitioner

Duration : 2 days

Course Description

DevOps is the future of IT today! This 2-day course builds upon the DevOps fundamentals. The key focus of DevOps Practitioner is on the four skill areas that have been defined by DASA and are required for successful DevOps results. The course helps you know why the four skills: courage, teambuilding, leadership, and continuous improvement, are the necessary skills for a DevOps environment.

Course Approach

DevOps Practitioner is designed to provide the core education necessary to put DevOps into practice. With the help of DevOps theory, pragmatic examples and exercises, and interactive group discussions and role plays, the course will help you understand how to apply the necessary skills to practice DevOps.

Course and Learning Objectives

At the end of this course, you will be able to:

- Explain the importance of DevOps culture and the aspects that can influence it.
- Explain why courage, teambuilding, leadership, and continuous improvement are required in a DevOps environment.
- Explain why courage is essential to enable trust, honesty, and experimentation.
- Identify and evaluate different types of behavior in a DevOps environment.
- Recognize the signals indicating impediments and/or team dysfunctions.
- Describe how to form good DevOps teams and assess their maturity.
- List the effects of happiness and motivation on team performance.
- Identify how leaders encourage feedback and transparency.
- Discuss the factors that leaders can influence to build trust.
- Explain how and why leaders promote a "Safe to fail" environment.
- Analyze value streams to improve throughput and flow.
- Facilitate the tools for continuous improvement: structured problem-solving workshops, Story Mapping sessions, and retrospectives.

Target Audience

Individuals involved in IT development, IT operations, or IT Service Management. Individuals whose role are affected by DevOps and continuous delivery, such as:

- DevOps Engineers
- Product Owners
- Integration Specialists
- Operations Managers
- Incident and Change Managers
- System Administrators
- Network Administrators
- Business Managers
- Automation Architects
- Enterprise Architects

Pre-requisites

To take the exam:

- a DevOps Fundamentals certificate is required.
- It is recommended that participant has completed the DASA DevOps Practitioner training.

About the Examination

On-line or paper based. The multiple choice exam takes 45 minutes. Non-native speakers of English are permitted an additional 15 minutes. It is a closed-book exam and consists of 12 questions with 5 sub questions each. Total points are 60 with 36 to pass (60%). Participants are permitted to use scratch paper. A proctor will be present or the exam will be proctored via a webcam.

Course Outline

Team Building

- Design Teams
- Build Teams
- Governance

DevOps Leadership

- Build Culture
- Create Purpose

- Be a Servant Leader
- Focus on Success

Courage

- Build Courage
- Think Different

Value-Customer Centric Action

- Different Aspects of Value
- Stakeholder Management
- Combining the Lean Startup and DevOps
- The Power of Story Mapping

Continuous Improvement:

- Build Flow
- Types of Continuous Improvement
- Continuous Improvement Tools