

## DevOps Professional Certificate Program

### Course Summary

#### Description

DevOps is best known in the field of software services, but the principles are applicable in all contexts where fast delivery of reliable products and services is relevant. DevOps contributes to the success of the overall organization by facilitating the synergy of Agile development, Service Management and Lean improvement while assuring security and maintaining control in a continuous delivery pipeline.

The primary purpose of this module is to test whether the candidate is familiar with DevOps practices in the Three Ways: Flow, Feedback, Learning, and Experimentation. The candidate will understand the impact of these organizational and technical changes on their daily work.

#### Topics

- "DevOps", a contraction of 'Development' and 'Operations'. DevOps is a set of best practices that emphasize the collaboration and communication of IT-professionals (developers, operators, and support staff) in the lifecycle of applications and services
- Continuous Integration: merging all developed working copies to a shared mainline several times a day
- Continuous Deployment: release continuously or as often as possible
- Continuous Feedback: seek feedback from stakeholders during all lifecycle stages
- DevOps practices covered in this certification are established around the knowledge associated with DevOps Three Ways
- The First Way is to enable the work to move fast from left to right, from Development to Operations to the customer.
- The Second Way is to enable feedback to go fast from right to left, from all stakeholders back into the value stream.
- The Third Way is to enable learning by creating a high-trust culture of experimentation and risk-taking.
- Moreover, the crucial subjects of security in all stages, and maintaining compliance during change are covered.

#### Audience

The EXIN DevOps Professional certification is meant for anyone working within a DevOps environment or in an organization that considers the transition to a DevOps way of working. The target group includes, but is not limited to:

- Software and Website Developers
- System Engineers
- DevOps Engineers
- Product and Service Owners
- Project Managers
- Test Engineers
- IT Service Management operating and support staff
- Process Managers
- Lean IT Professionals
- Agile Scrum practitioners

## **DevOps Professional Certificate Program**

### **Course Summary (cont'd)**

#### **Prerequisites**

Before taking this course, students should have the following:

- DevOps Foundation level certification
- Successfully passing the 40 multiple choice questions, 90 minutes; Blooms Taxonomy levels 1, 2 and 3 exam leads to the DevOps Delivery Architect certificate. Passing mark is a minimum of 65% (26 out of 40)
- Exam is available in English only with extra time for ESL; web based exam voucher will be provided to student
- Successful exam candidates will be designated as "Continuous Delivery Architects" and will be issued a certificate and digital badge.

#### **Duration**

Two days