

EXIN DEVOPS FOUNDATION

EXIN-DF

Duration: 2 days; Instructor-led | Virtual Instructor-led

WHAT WILL YOU LEARN

The EXIN DevOps Foundation certification is designed to provide an overview of the DevOps methodology, principles, and practices. It covers the fundamentals of DevOps and how it can be used to improve collaboration, communication, and efficiency between development and operations teams.

The EXIN DevOps Foundation certification is an entry-level certification that provides a basic understanding of DevOps. It is suitable for individuals who are new to DevOps or who are looking to develop a foundational knowledge of the methodology.

COURSE OBJECTIVES

The EXIN DevOps Foundation certification course is designed to equip participants with a comprehensive understanding of DevOps principles, practices, and tools. Upon completion of the course, participants should be able to:

- Understand the business value and benefits of DevOps, including its impact on software delivery, quality, and customer satisfaction.
- Explain the key DevOps principles and concepts, including continuous integration, continuous delivery, and infrastructure as code.
- Understand the cultural and organizational aspects of DevOps, including collaboration, communication, and teamwork between development and operations teams.
- Describe the agile, lean, and IT service management (ITSM) practices used in DevOps.
- Explain the role of automation in DevOps, including tools and techniques used for automation.
- Understand the importance of monitoring, feedback, and continuous improvement in DevOps.
- Understand the role of cloud computing and infrastructure as code in DevOps.
- Understand the importance of security and compliance in DevOps.
- Develop collaborative teamwork and communication skills necessary for success in a DevOps environment.

By achieving these learning objectives, learners will have the knowledge and skills needed to work effectively in a DevOps team

and contribute to the successful delivery of high-quality software products.

TARGET AUDIENCE

DevOps Foundation is ideal for IT and business professionals who want to understand DevOps and how their organization can benefit from its principles. This includes anyone involved in a DevOps team and anyone involved in information and technology management.

PREREQUISITES

No prerequisite.

EXAM INFOR

- Closed-book format
- 40 multiple-choice questions
- Pass mark: 65%
- The exam lasts 60 minutes
- Online exam

METHODOLOGY

This program will be conducted with interactive lectures, PowerPoint presentations, discussions, and practical exercises.

COURSE CONTENTS

Module 1: DevOps basics

- DevOps origins
- Definition of DevOps
- Reasons for using DevOps
- Misconceptions about DevOps

Module 2: DevOps principles

- Value stream
- Deployment pipeline
- Version control
- Configuration management
- Definition of done

Module 3: DevOps key practices

- Difference with traditional practice
- DevOps practices

Module 4: Practical applications of DevOps

- Applicability
- Limitations
- Using commercial off-the-shelf software (COTS)
- Evolving architecture and organizational models
- Iterative progression