

DevSecOps Foundation® (DSOF)

Course Duration: 16 Hours (2 Days)

Overview

The DevSecOps Foundation® (DSOF) course is designed to provide learners with a thorough understanding of how to integrate security practices into the DevOps process. This DevSecOps online course introduces key terms and concepts that underpin DevSecOps principles, emphasizing the importance of security in a high-velocity IT environment. It addresses the need to think about DevOps and security collectively, covering topics such as the cyber threat landscape, cultural and management changes necessary for success, strategic considerations, and general security concerns. Throughout the course, participants will learn about identity and access management (IAM), Application security, Operational security, and the relevance of governance, risk, compliance (GRC), and audit within the DevOps context. DevSecOps training also includes practical lessons on Integrating security into CI/CD pipelines, establishing responsive DevSecOps models, and handling Logging, Monitoring, and Incident response. By completing this course, learners will be well-equipped to implement DevSecOps practices effectively, contributing to more secure and efficient software development life cycles.

Audience Profile

The DevSecOps Foundation® (DSOF) course offers an in-depth understanding of integrating security into DevOps practices, targeting IT professionals focused on secure development and operations.

- DevOps Engineers
- Security Professionals and Security Analysts
- Software Developers and Software Engineers
- IT Security Engineers
- IT Managers and Team Leaders
- System Administrators
- Cloud Infrastructure Engineers
- Application Testers and Quality Assurance (QA) Specialists
- IT Project Managers
- Product Owners and Managers
- Technical Leads and Architects
- Risk Managers and Compliance Officers
- Anyone involved in Continuous Integration/Continuous Deployment (CI/CD) pipelines
- Professionals seeking to understand the importance of security in the DevOps lifecycle

Course Syllabus

Module 1

- Realizing DevSecOps Outcome

Module 2



step forward

- Defining Cyberthreat landscape

Module 3

- Building a responsive DevSecOps Model

Module 4

- Integrating DevSecOps Stakeholder

Module 5

- Establishing DevSecOps Practices

Module 6

- Best Practices to get Started

Module 7

- Devops Pipeline and Continuous Compliance

Module 8

- Learning Using Outcome
- Sample Paper Review