

# DevSecOps Foundation (DSOF)<sup>SM</sup> Certification Course



**Course Duration - 16 Hours**

## Learn the purpose, benefits, concepts, and vocabulary of **DevSecOps** including DevOps security strategies and business benefits.

As companies are pushing code faster and more often than ever, the rate of vulnerabilities in our systems is accelerating. As we are being asked to do more with less, DevOps has shown immense value to business and security as an integral component that needs to be integrated into the strategy.

Topics covered in the course include how DevSecOps provides the business value of DevOps and the ability DevOps has to enable the business and support an organizational transformation with the ultimate goal of increasing productivity, reducing risk, and optimizing cost in the organization.

This course explains how DevOps security practices differ from other security approaches and provides the education needed to understand and apply data and security sciences. Participants learn the purpose, benefits, concepts, and vocabulary of DevSecOps; particularly how DevSecOps roles fit with a DevOps culture and organization. At the end of this course, participants will understand using “security as code” with the intent of making security and compliance consumable as a service.

The course is designed to teach practical steps on how to integrate security programs into DevOps practices and highlights how professionals can use data and security science as the primary means of protecting the organization and customer. Using real-life scenarios and case studies, participants will have tangible takeaways to leverage when back at the office.

This course positions learners to successfully complete the DevSecOps Engineering exam, which is offered on the last day of class for classroom learners. Virtual learners will receive a voucher for a webcam proctored exam which they can schedule at their convenience.

# Course Objectives

The learning objectives include a practical understanding of:

- The purpose, benefits, concepts, and vocabulary of DevSecOps
- How DevOps security practices differ from other security approaches
- Understanding and applying data and security sciences
- How DevSecOps roles fit with a DevOps culture and organization
- Business-driven security strategies
- The use and benefits of Red and Blue Teams
- Integrating security into Continuous Delivery workflows

## Who Can Take This Course?

The audience for the DevSecOps Engineering Foundation course are professionals including:

- Anyone involved or interested in learning about DevSecOps strategies and automation
- Anyone involved in Continuous Delivery toolchain architectures
- Compliance Team
- Delivery Staff
- DevOps Engineers
- IT Managers
- Site Reliability Engineers
- IT Security Professionals, Practitioners, and Managers
- Maintenance and support staff
- Managed Service Providers
- Project & Product Managers
- Quality Assurance Teams
- Release Managers
- Scrum Masters
- Testers

## Learner Materials

- Digital Learner Manual (excellent post-class reference)
- Participation in exercises designed to apply concepts
- Sample documents, templates, tools and techniques
- Access to additional sources of information and communities



## Instructor-led Virtual sessions/Classroom Training

There will be Sixteen (16) hours of instructor-led /classroom training and exercise facilitation. Or else, the sessions can be 3-4 hour/day. duration for three days.



## Assignments

Participation in unique exercises designed to apply concepts.



## Real-life Case Studies

Real-life examples and results. Access to additional sources of information and communities.



## Examinations

It can be taken in a classroom with an instructor or with an online proctor at a date and time convenient to the learner.

### Format of the Examination

- Candidates must achieve a passing score to gain the DevSecOps Foundation Certificate.
- Exam Type: 40 multiple choice questions
- Duration: 90 minutes
- Passing Score: 65%
- Delivery: Online or invigilated in person
- Badge: DevSecOps Foundation Certified
- Online proctored by Xellentro for individuals and paper based for corporate batches



## Customizable Timings

Join our training as per your convenience.



## Certification

On successful completion of the exam, you will get the certificate and electronic badge which will be provided by DevOps Institute.

## Module 1 Realizing DevSecOps Outcomes

- Origins of DevOps
- Evolution of DevSecOps
- CALMS
- The Three Ways

## Module 2 Defining the Cyberthreat Landscape

- What is the Cyber Threat Landscape?
- What is the threat?
- What do we protect from?
- What do we protect, and why?
- How do I talk to security?

## Module 3 Building a Responsive DevSecOps Model

- Demonstrate Model
- Technical, business and human outcomes
- What's being measured?
- Gating and thresholding

## Module 4 Integrating DevSecOps Stakeholders

- The DevSecOps State of Mind
- The DevSecOps Stakeholders
- What's at stake for who?
- Participating in the DevSecOps model

## Module 5 Establishing DevSecOps Best Practices

- Start where you are
- Integrating people, process and technology and governance
- DevSecOps operating model
- Communication practices and boundaries
- Focusing on outcomes

## Module 6 Best Practices to get Started

- The Three Ways
- Identifying target states
- Value stream-centric thinking

## Module 7 DevOps Pipelines and Continuous Compliance

- The goal of a DevOps pipeline
- Why continuous compliance is important
- Archetypes and reference architectures
- Coordinating DevOps Pipeline construction
- DevSecOps tool categories, types and examples

## Module 8 Learning Using Outcomes

- Security Training Options
- Training as Policy
- Experiential Learning
- Cross-Skilling
- The DevSecOps Collective Body of Knowledge
- Preparing for the DevSecOps Foundation certification exam

## DevOps Foundation

Successfully bring about DevOps transformation of your project, people and organization.

## Continuous Delivery Ecosystem Foundation (CDEF)<sup>SM</sup>

The CDEF certification ranks the learners to complete the Continuous Delivery Ecosystem Foundation exam effectively.

## DevOps Leader

A DevOps Leader is a tactical or strategic individual who helps design, influence, implement or motivate the cultural transformation proven to be a critical success factor in DevOps adoption.

## Digital Transformation with DevOps experiential simulation

It is a vastly immersing, single player strategy simulation virtually that connects and educates people at a greater scale. This web-based knowledge offers vision to the technology leaders and their respective organisations about the essential modules and environment of Digital Transformation.

## Continuous Testing Foundation (CTF)<sup>SM</sup>

CTF helps you learn to deploy a DevOps testing strategy & how DevOps delivery pipeline works for supporting digital transformation.

## SRE Foundation (SREF)<sup>SM</sup>

Learn practices, methods, and tools to engage people across the organization involved in reliability and stability evidenced through the use of real-life scenarios and case stories.





# About Xellentro

Xellentro is an emerging global provider of project, program and portfolio management consulting and training services.

Established in 2012, with Headquarters in Bangalore, India, Xellentro works closely with its clients in tackling their most difficult organizational development challenges. Xellentro is a specialist organization that works with its clients to identify improvement areas and uses experienced consultants to enhance their business and development processes.

While the realm of Management Consulting is vast and a number of firms provide a range of advisory services – starting from niche areas to general management domains – what differentiates us is our practitioner’s approach where we don’t limit ourselves only to advisory and rather prefer to stay on till envisaged benefits are realized and final outcomes are delivered. We bring in huge experience across industry verticals and geographies which make us confident enough to put our neck into the stake when it comes to achieving envisaged benefits and values.

## Get In Touch With us



neetas@xellentro.com  
anjalim@xellentro.com



(+91) 91481 84299  
(+91) 9439314531



[www.xellentro.com](http://www.xellentro.com)

