Certified SAFe® DevOps Practitioner
Course Length – 2 Days

To compete in a disruptive global market, every organization needs to deliver valuable technology solutions at the speed of business. This requires a shared DevOps mindset among all the people needed to define, build, test, deploy, and release software-driven systems—not just the engineers operating a CI/CD pipeline.

The two-day, interactive course helps people across technical, non-technical, and leadership roles work together to optimize their value stream from end to end. Attendees will learn what DevOps is, why it is important to every role, and design a continuous delivery pipeline that is tailored to their business. Attendees work in cross-functional teams to map their current state value stream from concept to cash, identify major bottlenecks to flow, and build an actionable implementation plan that will accelerate the benefits of DevOps in their organization.

Course Information

Course Outline

Topics	Learning Objective
1. Introducing DevOps	• Recognize the problem to be solved • Explain DevOps and its benefits • Describe continuous security and testing • Describe core DevOps principles
2. Mapping your Continuous Delivery Pipeline Mapping value Streams	• Explain the purpose of mapping the Value Stream • Evaluate the efficiency of your current Value Stream
3. Gaining Alignment with Continuous Exploration	• Create Solution hypotheses • Collaborate and research Customer needs • Architect the Solution for continuous delivery • Synthesize the Vision, the Roadmap, and the Program Backlog

4.	Building quality with Continuous Integration	• Develop the Solution • Build continuously • Test end-to-end • Validate on a staging environment
5.	Reducing time-to-market with Continuous Deployment	• Deploy to production • Verify the Solution • Monitor for problems • Respond and recover
6.	Delivering Business Value with Release on Demand	• Release on Demand • Stabilize the Solution • Measure the business value • Learn and react
7.	Taking action	• Develop your action plan

Learning Goals/Outcomes

After attending the class, attendees should be able to:

1. Explain how DevOps enables strategic business objectives
2. Apply a CALMR(Culture, Automation, Lean, Measure, Recover) approach to DevOps to avoid automating broken processes
3. Understand how successful DevOps requires continuous exploration, continuous integration, continuous deployment, and the ability to release to end users on demand
4. Incorporate continuous testing and continuous security into the delivery pipeline
5. Use value stream mapping to measure flow and identify bottlenecks in the end-to-end delivery process
6. Select DevOps skills and tools strategically for the fastest, most compelling results
7. Prioritize DevOps solutions and investments for greatest economic benefit
8. Design and implement a multi-phased DevOps transformation plan tailored to their organization
9. Work with all roles and levels in the organization to continually optimize the value stream

Key areas of competency

- Describe what DevOps is and why it is important
- Build a culture of shared responsibility across the value stream
- Continuously explore user needs
- Describe architectural considerations for continuous delivery
- Build and integrate the system continuously
- Improve the quality of the system with continuous testing
- Deploy systems to staging and production environments continuously
- Release systems to customers and manage recovery as necessary
- Maintain security by inspecting continuously for vulnerabilities

- Measure the flow through the Continuous Delivery Pipeline
- Support a SAFe DevOps transformation in the enterprise

What Attendees Get

The class registration includes:

- Attendee workbook
- Preparation and eligibility to take the exam
- One-year membership to the SAFe Community Platform
- Certificate of completion
- SAFe DevOps Practitioner (SDP) certification upon passing exam

Attendees must attend both days of the course in order to qualify for the exam.

Prerequisites

None. All are welcome to attend the course without prior DevOps or SAFe experience.