

SAFe® DevOps Practitioner (SDP) 6.0

Duration: 2 Days
Course Description:

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 Certified SAFe® DevOps Practitioner Training 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.

Target Audience:

- Members of an Agile Release Train and/or value stream
- Product Owners, Scrum Masters, Developers, Testers, and other Agile Team members
- Operations and Infrastructure engineers and practitioners
- Change Management professionals, Configuration Managers, and Release Managers
- Architects, Database Administrators, and Information Security professionals
- Product Managers, Portfolio Managers, Product Owners, Release Train Engineers, and UI/UX Developers
- Development, Engineering, QA, Infrastructure, and Operations Managers
- IT and Business change agents, leaders, and executives

Course Objectives:

- Explain how DevOps enables strategic business objectives.
- Apply a CALMR approach to DevOps to avoid automating broken processes.
- Understand how successful DevOps requires continuous exploration, continuous integration, continuous deployment, and the ability to release to end users on demand.
- Incorporate continuous testing and continuous security into the delivery pipeline.
- Use value stream mapping to measure flow and identify bottlenecks in the end-to-end delivery process.
- Select DevOps skills and tools strategically for the fastest, most compelling results.

- Prioritize DevOps solutions and investments for greatest economic benefit.
- Design and implement a multi-phased DevOps transformation plan tailored to their organization.
- Work with all roles and levels in the organization to continually optimize the value stream.

Course Outlines:
Introducing DevOps

- Recognize the problem to be solved
- Explain DevOps and its benefits
- Describe continuous security and testing
- Describe core DevOps principles

Mapping your Continuous Delivery Pipeline

- Purpose of mapping the Value Stream
- Evaluate the efficiency of your current Value Stream

Gaining alignment with Continuous Exploration

- Create Solution hypotheses
- Collaborate and research Customer needs
- Architect for Solution for continuous delivery
- Synthesize the Vision, the Roadmap, and the Program Backlog

Building quality with Continuous Integration

- Develop the Solution
- Build continuously
- Test end-to-end
- Validate on a staging environment

Reducing time-to-market with Continuous Deployment

- Deploy to production
- Verify the Solution
- Monitor for problems
- Respond and recover

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Delivering Business Value with Release on Demand

- Release on Demand
- Stabilize the Solution
- Measure the business value
- Learn and react

Taking action

- Sharing your DevOps action plan

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training@trends.com.ph
 (+632) 8863-2123
 www.trendsacademy.com.ph