

SAFe® DevOps 5.1 (SDP5.1)

OVERVIEW

Delivering valuable solutions, faster, doesn't involve just engineers developing software. It involves introducing a shared DevOps mindset among all the people who define, build, test, deploy, and release software-driven products.

The [SAFe® DevOps 5.1](#) course helps people in technical, non-technical, and leadership roles optimize their development value stream from end to end. Take this course with the rest of your cross-functional team to map your current value stream from concept to cash. Design a Continuous Delivery Pipeline that's relevant to your business. And get the guidance and tools you need to work effectively in remote environments with distributed teams.

WHO SHOULD TAKE THIS COURSE?

This course is for anyone who wants to understand, apply or be engaged in DevOps practice with the SAFe® Framework.

Whether you are a developer, tester, architect or an Agile team member, a methodologist, technical lead, key release actor, this course will train you to the SAFe® DevOps 5.1.

WHEN YOU COMPLETE THIS COURSE, YOU WILL BE ABLE TO:

- achieve strategic business objectives
- adopt the mindset, culture and technics to successfully define, build, test, deploy and release
- use the value stream to measure throughput and identify bottlenecks in the delivery channel
- integrate continuous testing and security into the delivery channel
- adopt continuous exploration, integration and deployment and deliver value on demand to end users
- design and implement a realistic DevOps transformation plan for your organization
- assess and improve your current state using tools such as the DevOps Health Radar and the Transformation Canvas

PREWORK AND PREREQUISITES

Before attending the class, you should know the principles of Agility, Scrum and have a significant experience of development project, responsibilities and activities of releasing and run.

CERTIFICATION

At the end of the training, you can certify yourself as a SAFe® DevOps Practitioner 5.1 after preparing, taking and passing the exam. You will find the exam details on this [page](#).

Your certification will allow you to credit your account with [42 PDU's](#) on the PMI website (you must be PMI certified to do so).

We do not recommend taking the exam directly after the course. Additional preparation must be completed to be ready.

EDUCATIONAL, TECHNICAL AND SUPERVISORY RESOURCES

While applying for registration, an analysis of learning needs allows us to ensure the prerequisites and the level of knowledge of the participant in order to verify if the objectives of the training meet the expressed needs.

The training includes the definition of theoretical concepts, the description of principles, illustrations, practical exercises and quizzes, a personalized attention from the SAFe® certified and authorized trainer and exchange with your peers.

The electronic course manual is given to the participant who will also have access to the SAFe® Virtual Classrooms, to the visual and online workspace SAFe® Collaborate and 1 year membership to the SAFe® community platform and its resources. A voucher to take the SAFe® DevOps Practitioner 5.1 certification exam is also given to the participant.

In-class training includes the provision of one computer per trainee. A flipchart and a video projector are available in the training room.

The virtual classroom, interactive and in real time, is animated with an adapted videoconference platform accessible from the web browser. To follow the training remotely, the participant must be equipped with a computer and an internet connection. A headset or headphones and a second screen are optional tools to optimize the learning experience.

FOLLOW-UP AND EVALUATION

At the end of the course:

- An evaluation is made by the participant on the achievement of the objectives, the quality of the training and the speakers
- A certificate of participation is given to the participant
- The attendance sheets signed by the participants and the trainer, per half-day of training in the case of classroom training or the certificate of attendance signed by the participant and the training organization in the case of the virtual classroom are sent to the client
- The evaluation completed by the participant is given to the client

DURATION

2 days (16 hours)

DELIVERY FORMAT

- Classroom
- Virtual

LANGUAGE

Course in French /
Books in English

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LESSONS & TOPICS

Introducing DevOps

- 1.1 The problem to be solved
- 1.2 DevOps and its benefits
- 1.3 Continuous security and testing
- 1.4 SAFe's CALMR approach to DevOps

Mapping Your Value Stream

- 2.1 Why map your development value stream?
- 2.2 How efficient is your development value stream?

Gaining Alignment with Continuous Exploration

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

Building Quality In with Continuous Integration

- 4.1 Develop the Solution
- 4.2 Build continuously
- 4.3 Test end-to-end
- 4.4 Validate on a staging environment

Reducing Time to Market with Continuous Deployment

- 5.1 Deploy to production
- 5.2 Verify the Solution
- 5.3 Monitor for problems
- 5.4 Respond and recover

Delivering Business Value with Release on Demand

- 6.1 Release on Demand
- 6.2 Stabilize the Solution
- 6.3 Measure the business value
- 6.4 Learn and react

Taking action

- 7.1 Your DevOps action plan

Practicing SAFe®