

# Site Reliability Engineering (SRE) Foundation (SREF)

ID SREF Price CHF 1,290.—(excl. VAT) Duration 2 days

## Who should attend

The target audience for the SRE Foundation course are professionals including:

- Anyone starting or leading a move towards increased reliability
- Anyone interested in modern IT leadership and organizational change approaches
- Business Managers
- Business Stakeholders
- Change Agents
- Consultants
- DevOps Practitioners
- IT Directors
- IT Managers
- IT Team Leaders
- Product Owners
- Scrum Masters
- Software Engineers
- Site Reliability Engineers
- System Integrators
- Tool Providers

## Prerequisites

An understanding and knowledge of common DevOps terminology and concepts and related work experience are recommended.

## Course Content

### Course Introduction

- Course Goals
- Course Agenda

### Module 1: SRE Principles & Practices

- What is Site Reliability Engineering?
- SRE & DevOps: What is the Difference?
- SRE Principles & Practices

### Module 2: Service Level Objectives & Error Budgets

- Service Level Objectives (SLO's)
- Error Budgets
- Error Budget Policies

### Module 3: Reducing Toil

- What is Toil?
- Why is Toil Bad?
- Doing Something About Toil

### Module 4: Monitoring & Service Level Indicators

- Service Level Indicators (SLI's)
- Monitoring
- Observability

### Module 5: SRE Tools & Automation

- Automation Defined
- Automation Focus
- Hierarchy of Automation Types
- Secure Automation
- Automation Tools

### Module 6: Anti-Fragility & Learning from Failure

- Why Learn from Failure
- Benefits of Anti-Fragility
- Shifting the Organizational Balance

### Module 7: Organizational Impact of SRE

- Why Organizations Embrace SRE
- Patterns for SRE Adoption
- On-Call Necessities
- Blameless Post-Mortems
- SRE & Scale

### Module 8: SRE, Other Frameworks, The Future

- SRE & Other Frameworks
- The Future

### Additional Sources of Information

### Exam Preparations

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- Exam Requirements, Question Weighting, and Terminology List
- Sample Exam Review

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## Training Centres worldwide



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