Site Reliability Engineering (SRE) Foundation (DevOps Institute)

Category: Software Development & Programming | **Vendor:** Logical Operations

Duration: 16.00 hours (2 days) **13.0 CPD Hours** **Rating:** ⭐ 4.6 (5,878 reviews)

Course Information

Delivery Format: Instructor Led - Online

Course Overview

Included with the course as standard is the official PeopleCert Exam Voucher. The SRE (Site Reliability Engineering) Foundation course is an introduction to the principles & practices that enable an organization to reliably and economically scale critical services. Introducing a site-reliability dimension requires organizational re-alignment, a new focus on engineering & automation, and the adoption of a range of new working paradigms. This course prepares you for the SRE Foundation (SREF) certification.

About This Course

The SRE (Site Reliability Engineering) Foundation course is an introduction to the principles & practices that enable an organization to reliably and economically scale critical services. Introducing a site-reliability dimension requires organizational re-alignment, a new focus on engineering & automation, and the adoption of a range of new working paradigms. This course prepares you for the SRE Foundation (SREF) certification.

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 will benefit from this course.

Learning Outcomes

Upon successful completion of this course, participants will be able to:

The learning objectives for the SRE Foundation course include a practical understanding of.

The history of SRE and its emergence at Google.

The inter-relationship of SRE with DevOps and other popular frameworks.

The underlying principles behind SRE Service Level Objectives (SLO’s) and their user focus Service Level Indicators (SLI’s) and the modern monitoring landscape.

Error budgets and the associated error budget policies.

Toil and its effect on an organization’s productivity.

Some practical steps that can help to eliminate toil.

Observability as something to indicate the health of a service SRE tools.

Automation techniques and the importance of security.

Anti-fragility, our approach to failure and failure testing.

The organizational impact that introducing SRE brings.

Detailed Course Outline

Course Introduction

- Course Goals
- Course Agenda

SRE Principles & Practices

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

Service Level Objectives & Error Budgets

- Service Level Objectives (SLOs)
- Error Budgets
- Error Budget Policies

Reducing Toil

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

Monitoring & Service Level Indicators

- Service Level Indicators (SLIs)
- Monitoring
- Observability

SRE Tools & Automation

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

Anti-Fragility & Learning from Failure

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

Organizational Impact of SRE

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

SRE, Other Frameworks, The Future

- SRE & Other Frameworks
- The Future

Exam Preparations

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

Upcoming Schedule

Available training dates for Site Reliability Engineering (SRE) Foundation (DevOps Institute):

Start Date	End Date	Location	Delivery	Price
08 Dec 2026	09 Dec 2026	Online	Virtual	€1,495.00

Additional Course Details

Nexus Humans Site Reliability Engineering (SRE) Foundation (DevOps Institute) training program is a workshop that presents an invigorating mix of sessions, lessons, and masterclasses meticulously crafted to propel your learning expedition forward.

This immersive bootcamp-style experience boasts interactive lectures, hands-on labs, and collaborative hackathons, all strategically designed to fortify fundamental concepts.

Guided by seasoned coaches, each session offers priceless insights and practical skills crucial for honing your expertise. Whether you're stepping into the realm of professional skills or a seasoned professional, this comprehensive course ensures you're equipped with the knowledge and prowess necessary for success.

While we feel this is the best course for the Site Reliability Engineering (SRE) Foundation (DevOps Institute) course and one of our Top 10 we encourage you to read the course outline to make sure it is the right content for you.

Additionally, private sessions, closed classes or dedicated events are available both live online and at our training centres in Dublin and London, as well as at your offices anywhere in the UK, Ireland or across EMEA.

Frequently Asked Questions

Q: What delivery options are available for Site Reliability Engineering (SRE) Foundation (DevOps Institute)?

We offer multiple delivery formats:

- Live Instructor-Led Classroom Online (Virtual/Live Online)
- Traditional Instructor-Led Classroom Training (ILT)
- On-site delivery at your offices anywhere in United Kingdom
- Private dedicated courses customized for your team

Q: How many CPD hours does this course provide?

The 2-day Site Reliability Engineering (SRE) Foundation (DevOps Institute) course provides up to 13.0 CPD hours of structured learning. CPD certificates can be provided upon request.

Q: What is the duration of the Site Reliability Engineering (SRE) Foundation (DevOps Institute) training?

The training takes place over 2 day(s), with each day lasting approximately 16.00 hours including breaks for lunch and refreshments.

Q: Do you provide corporate training for Site Reliability Engineering (SRE) Foundation (DevOps Institute)?

Yes, we provide corporate training, dedicated training, and closed classes for Site Reliability Engineering (SRE) Foundation (DevOps Institute). Training can take place anywhere in United Kingdom including London, Manchester, Birmingham, Edinburgh, or live online allowing teams from across United Kingdom or internationally to attend.

Q: Why choose Nexus Human for Site Reliability Engineering (SRE) Foundation (DevOps Institute)?

Nexus Human is recognized as one of the leading training providers. Our trainers have won multiple awards including:

- Small Firms Best Trainer Award
- National Training Partner of the Year (Ireland) - Multiple Years
- Global Top 30 Instructor Awards (2012, 2019, 2021)
- Tech Excellence Award Nominations
- Learning Performance Institute (LPI) External Training Provider Sponsor 2024

Q: Are there any discount codes available?

Yes! Use discount code **PENPAL5** when booking your Site Reliability Engineering (SRE) Foundation (DevOps Institute) training. Please note that only one discount code can be used per booking and cannot be combined with other special offers.

Nexus Human

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