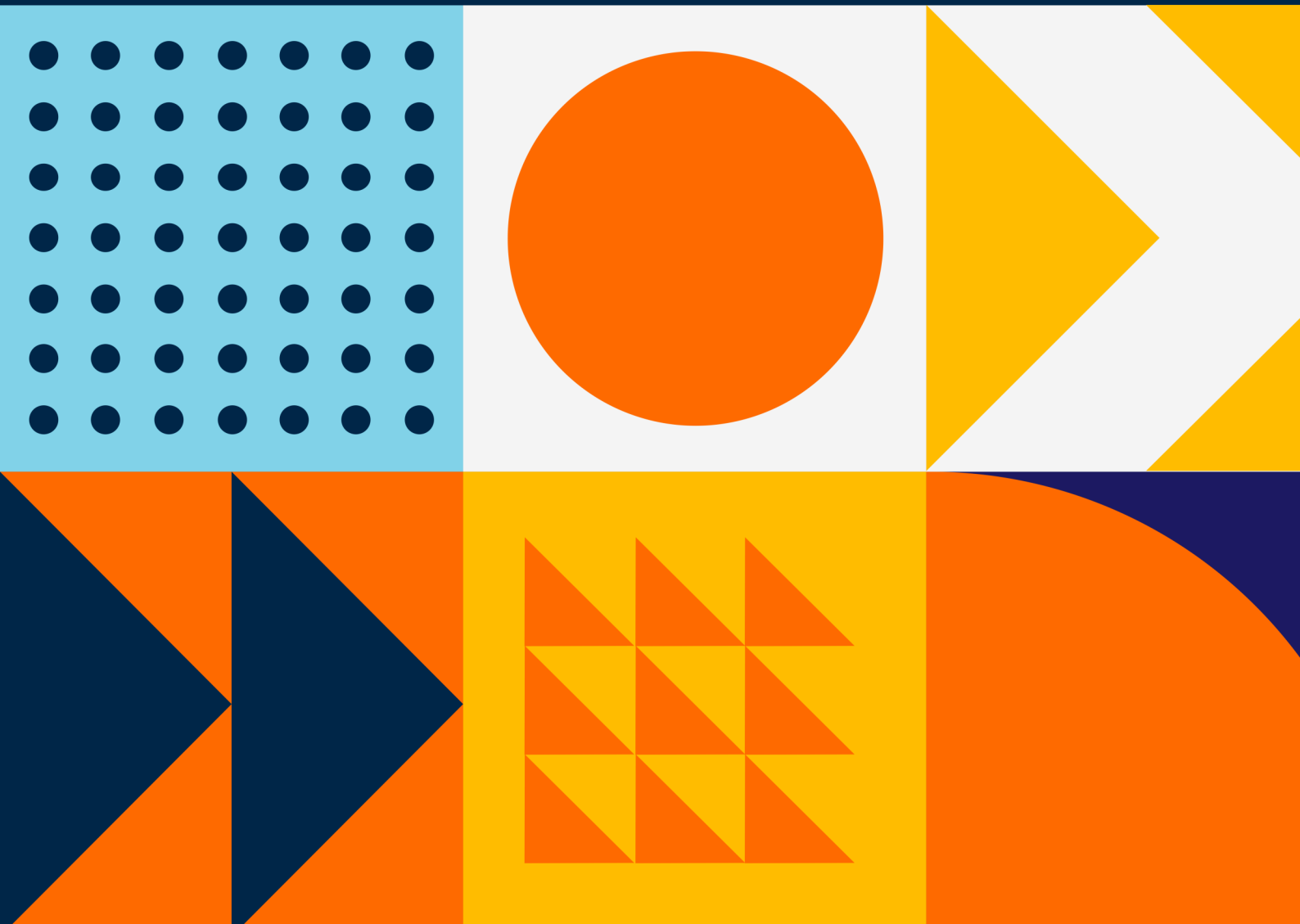




We do **IT**
to inspire.

Agile, Scrum & DevOps:

DevOps Site Reliability Engineering (SRE) Foundation Training





About Us

who we are.

Averest is one of the leading and fast-growing companies specialising in Information Technologies, Cyber Security, Cloud Computing, DevOps, Artificial Intelligence, Agile and Scrum, and Project Management, which is based in the United Kingdom and Turkey. Averest provides high-quality tech-accredited training and business solutions to its clients on these topics and more.



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Program

DevOps Site Reliability Engineering (SRE) Foundation Training

Overview

The course was created to educate the fundamental ideas and techniques required for beginning SRE adoption by using important SRE sources, connecting with thought-leaders in the SRE field, and working with firms embracing SRE to extract real-life best practices.

What You Will Learn?

- 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

Course Key Features

- Pre-course consultation
- Exam voucher included
- Access to DevOps Institute additional sources of information and communities
- Real-Life case studies are weaved throughout the course

Eligibility

Program

DevOps Site Reliability Engineering (SRE) Foundation Training

Anyone starting or leading a DevOps cultural transformation program Anyone interested in modern IT leadership and organizational change approaches Business Managers Change Agents DevOps Consultants DevOps Engineers IT Managers Lean Coaches Practitioners Product Owners Scrum Masters

Program

DevOps Site Reliability Engineering (SRE) Foundation Training

Program Outline

SRE Principles & Practices

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

Reducing Toil

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

SRE Tools & Automation

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

Organizational Impact of SRE

Service Level Objectives & Error Budgets

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

Monitoring & Service Level Indicators

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

Anti-Fragility & Learning from Failure

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

Other Frameworks, The Future

Program

DevOps Site Reliability Engineering (SRE) Foundation Training

- Why Organizations Embrace SRE
- Patterns for SRE Adoption
- On-Call Necessities
- Blameless Post-Mortems
- SRE & Scale
- SRE & Other Frameworks
- The Future
- Additional Sources of Information

Exam Preparations

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

Program

DevOps Site Reliability Engineering (SRE) Foundation Training

Program Schedule

05-06 Sep 2022	-	DevOps Site Reliability Engineering (SRE) Foundation Training Online Instructor-Led , 09:00 - 16:00 , UTC +03:00
12-13 Sep 2022	City of London , United Kingdom	DevOps Site Reliability Engineering (SRE) Foundation Training In-Class , 09:00 - 16:00 , UTC +03:00
19-20 Sep 2022	Istanbul , Turkey	DevOps Site Reliability Engineering (SRE) Foundation Training In-Class , 09:00 - 16:00 , UTC +03:00
10-11 Oct 2022	Istanbul , Turkey	DevOps Site Reliability Engineering (SRE) Foundation Training Online Instructor-Led , 09:00 - 16:00 , UTC +03:00
14-15 Nov 2022	Istanbul , Turkey	DevOps Site Reliability Engineering (SRE) Foundation Training In-Class , 09:00 - 16:00 , UTC +03:00
14-15 Nov 2022	City of London , United Kingdom	DevOps Site Reliability Engineering (SRE) Foundation Training In-Class , 09:00 - 16:00 , UTC +03:00
05-06 Dec 2022	-	DevOps Site Reliability Engineering (SRE) Foundation Training Online Instructor-Led , 09:00 - 16:00 , UTC +03:00
19-20 Dec 2022	Istanbul , Turkey	DevOps Site Reliability Engineering (SRE) Foundation Training In-Class , 09:00 - 16:00 , UTC +03:00



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