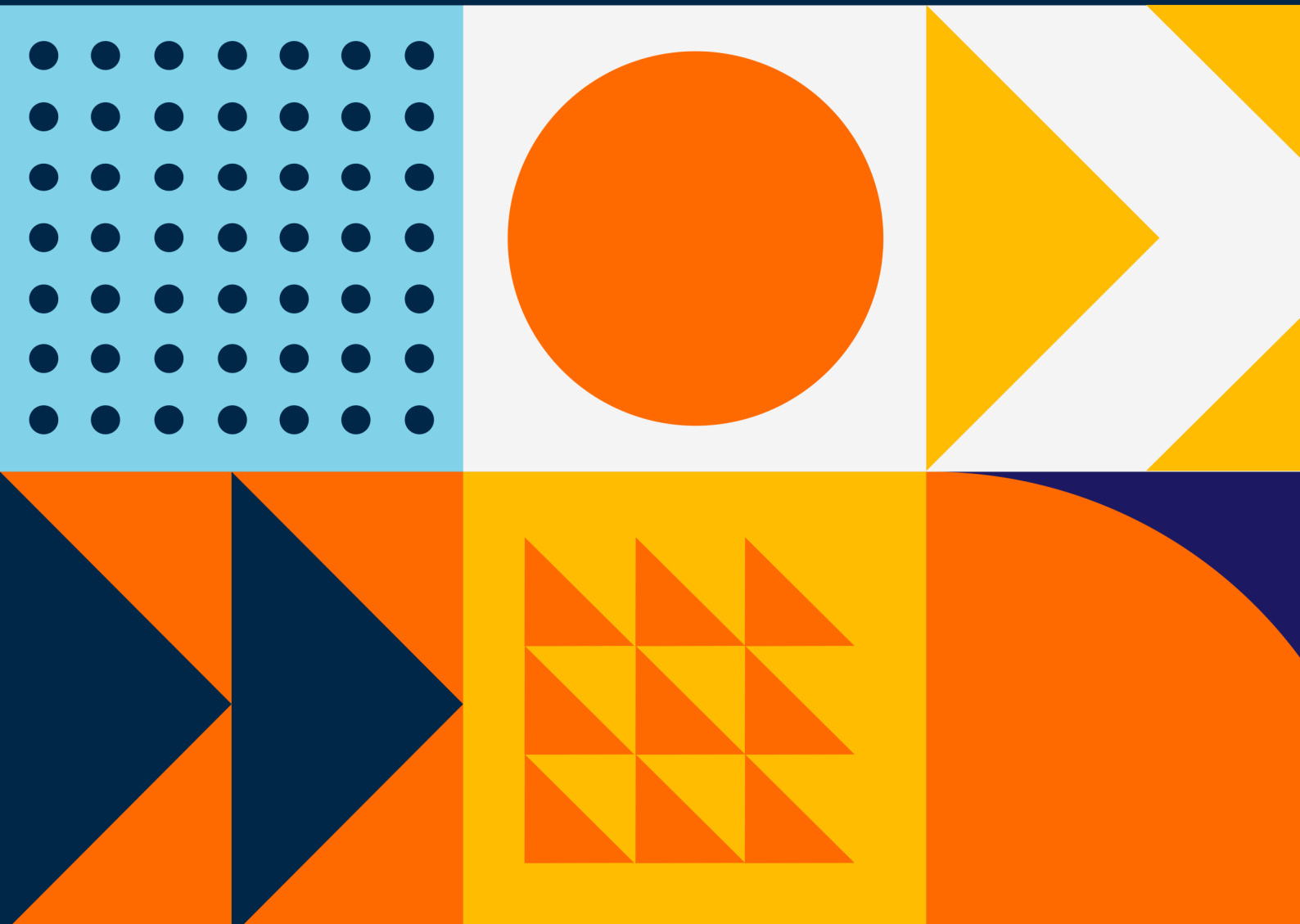




We do  to inspire.

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.



## Why You Should Learn With Us?

We offer accredited Programs that are available for anyone wishing to acquire skills and gain professional certification to take their career to the next level.

- **100+ Premium Programs**

Choose the appropriate program, date and region for your occupation.

- **50+ World-Wide Accredited Certifications**

Get certified by global certification bodies and deepen your expertise.

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We help many of the world's leading companies to build their tech and digital capabilities.

# Our partners.



To Explore More Please Visit [Our Website](#)

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

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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