

Site Reliability Engineering (SRE) Foundation Certification(CSREF)



The Site Reliability Engineering Certification offered by GSDC is a testament to the skills and expertise of an SRE.

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ABOUT CERTIFICATION

The SRE Certification is important for professionals who want to enhance their job prospects and advance their careers in the field of Site Reliability Engineering. It provides a competitive edge in the job market and shows that the candidate is committed to ongoing learning and development.

Organizations that wish to be sure that their SREs have the ability to manage and maintain complex systems can also benefit from the certification. It assures that the candidate can design, build, and operate reliable systems that meet or exceed the required service level objectives.

Overall, the Site Reliability Engineering certification from GSDC is a valuable asset for both professionals and organizations in today's fast-paced and complex technological landscape.

It validates the skills and expertise of an SRE and demonstrates a commitment to reliability, scalability, and performance.

OBJECTIVES

The high-level learning objectives of the Certified SRE Foundation course are as below:

1. The emergence and historical background of SRE at Google
2. The interconnectedness of SRE with DevOps and various other widely adopted frameworks
3. Underlying principles behind SRE
4. The world of monitoring and Service Level Indicators (SLIs) in today's era
5. Modern monitoring and SLIs landscape
6. The error budget policies and their association with error budgets
7. The impact of toil on the productivity of an organization
8. The significance of security in relation to SRE tools and automation techniques
9. Our approach to failure and failure testing: Embracing anti-fragility
10. The organizational impact that introducing SRE brings
11. Assessment of SRE for your organization
12. Establishing SRE capability in organizations
13. Empowering Enterprise Digital Reinvention Journey with SRE
14. Enterprise gamification strategy for SRE mindset shift
15. Release Engineering in SRE
16. Value of Automation in SRE
17. SRE evolution in the cloud world
18. System of Record in SRE

Our Accreditation:



The Global Skill Development Council (GSDC) is the leading third-party, Vendor-neutral, international credentialing and certification organization. The Global Skill Development Council (GSDC) is proud to be ANSI Accredited Member. The American National Standards Institute (ANSI) is a private, non-profit organization that administers and coordinates the U.S. voluntary standards and conformity assessment system.

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COURSE SYLLABUS

Module 1: SRE Overview

- Introduction
- The Production Environment From the Viewpoint of an SRE
- Exercise: Mapping Your Production Environment

Module 2: TOIL

- TOIL
- Assessment - TOIL

Module 3: SLO's, SLI's and Error Budgets

- SLO's, SLI's and Error Budgets
- Assessment - SLO's, SLI's and Error Budgets

Module 4: Monitoring and Service Level Indicators

- Monitoring and Service Level Indicators
- Assessment - Monitoring and Service Level Indicators

Module 5: Managing Incidents

- Managing Incidents
- Assessment - Managing Incidents

Module 6: Anti-Fragility and Learning from Failure

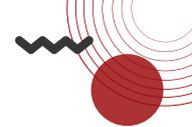
- Anti-Fragility and Learning from Failure
- Assessment - Anti-Fragility and Learning from Failure

Module 7: Organizational Impact of SRE

- Organizational Impact of SRE
- Assessment - Organizational Impact of SRE

Module 8: SRE Tools and Automation

- SRE Tools and Automation
- Assessment - SRE Tools and Automation



GSDC Technical Advisory Board :



The GSDC is the leading certification association which brings together innovative organizations and founding thought-leaders as Technical Advisors from over 40 countries to design curriculum on Blockchain, Devops, Six Sigma & Agile Certifications.

Our Future Information

Target Audience

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

Pre-requisites

There are no such prerequisites for this SRE Foundation Certification. But IT experience and working knowledge in the DevOps field are recommended.

If you are looking for an advanced level then you can go for [GSDC SRE Practitioner Certification](#).

Find out more online at
www.gsdccouncil.org

