

Certified DevOps Developer



The GSDC Certified DevOps Developer (CDD) certification offers you the opportunity to become a certified DevOps developer, equipped with the necessary skills to excel in today's technology-driven world.

Certified DevOps Developer

ABOUT CERTIFICATION

This highly regarded devops developer certification offered by GSDC, emphasizes practical knowledge and hands-on experience in DevOps development methodologies and practices.

By obtaining the certified DevOps developer certificate from GSDC, you demonstrate your proficiency in applying DevOps principles and automating workflows, essential for streamlining software development and collaboration.

With the certified DevOps developer (CDD) certification, you enhance your professional credibility and showcase your commitment to delivering high-quality software solutions efficiently and effectively

Few more things to consider while pursuing Certified DevOps Developer (CDD):

- The demand for certified DevOps developers is rapidly increasing across various industries.
- DevOps practices enable accelerated software delivery and seamless operations.
- The GSDC Certified DevOps Developer certification positions you as a high-demand professional capable of driving innovation and efficiency in the software development lifecycle.
- Devops developer certification opens doors to exciting career opportunities in the world of DevOps.
-

OBJECTIVES

The high-level learning objectives of the Certified DevOps Developer Certification course are mainly designed in such a way that the participants will:

1. Acquire DevOps knowledge and familiarize yourself with tools.
2. Master Continuous Integration and Continuous Delivery practices.
3. Develop effective implementation strategies for DevOps.
4. Create lightweight, reproducible, and portable development environments.
5. Implement continuous integration (CI) utilizing Jenkins.
6. Establish infrastructure monitoring using Nagios.
7. Perform configuration management using Chef.
8. Demonstrate understanding of DevOps concepts and tools.
9. Validate knowledge of Continuous Integration & Continuous Delivery.
10. Authenticate proficiency in implementing DevOps strategies.
11. Verify comprehension of cloud computing and virtualization.

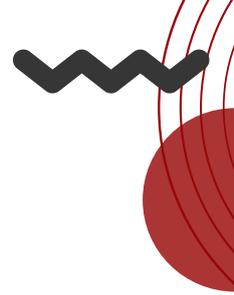
Our Accreditation:



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.

The Global Skill Development Council (GSDC) is the leading third-party, vendor-neutral, Intern-ational credentialing and certification organization. The Global Skill Development Council (GSDC) is proud to be ABICB accredited member. Accreditation Board For Inter- national Certification Bodies's accreditation is globally recognized as the highest certificati- on for training institutes as it is an independent autonomous body





COURSE SYLLABUS

1. What is the DevOps:

- Benefits of DevOps
- DevOps Principal

2. Introduction to CI/CD:

- Continuous Integration & Continuous Delivery With Jenkins
- Introduction to Jenkins
- SDLC and DevOps culture
- Jenkins features and architecture

3. Introduction about Cloud (IaaS, SaaS, PaaS) - LAB:

- What is the cloud benefits (Create the account in AWS - free for 1 years since we will use the AWS)
- What is the cluster
- How to create the cluster in AWS
- How to access the AWS Cluster (EC2) machine from my local system for install the other software

4. Getting Started With Jenkins - LAB:

- Install Jenkins
- Configure Jenkins
- Get started with Jenkins
- Setup Jenkins job
- Jenkins pipeline view
- Install Artifactory

5. DevOps tool - Repository - LAB:

- Understand the repository GIT
- Benefit and how to use and checking checkout code from GIT
- How version controlling happening?
- Create the Repository on the fly

6. Build Jobs and Configurations

7. CI & CD Pipeline With Jenkins, Gradle & Artifactory - LAB:

- Build CI and CD pipeline with Jenkins and Gradle
- Configure Artifactory
- Build CI and CD pipeline with Jenkins and Gradle (contd.)

8. CI & CD Pipeline With Jenkins & Maven - LAB:

- Create Java application project
- Start building CI and CD pipeline with Jenkins and Maven
- Start building CI and CD pipeline with Jenkins and Maven #2

- Start building CI and CD pipeline with Jenkins and Maven #3

9. Configuring Build Pipelines - LAB

10. Automated Testing In Jenkins - LAB

11. Code Quality Improvement using Jenkins - LAB

12. Automated Deployment and Continuous Delivery - LAB

13. Distributed System In Jenkins - LAB

14. Docker overview and understanding - LAB:

- Docker Architecture
- Docker benefits
- Docker installation in AWS
- Deploy the image in AWS cluster
- Run the application
- Docker commands

15. How to monitor application logs using ELK - LAB:

- What is the kibana and how to install the how to use it.



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**

- Software Developers
- IT Service Managers
- Project & Program Managers
- Business Analysts
- Testing Professionals
- Data Center Professionals
- Release Managers
- Change Managers
- System Architects
- System Engineers

Pre-requisites

Familiarity with software development, preferably in Java, and experience with UNIX/Linux systems.

Find out more online at
www.gsdCouncil.org

