

Certified Cloud Tester Advance



Certified Cloud Tester Advanced (CCTA) governed by GSDC is focused on enabling learners to implement the best practices of cloud testing.

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ABOUT CERTIFICATION

Organizations are now facing challenges like high costs, limited budgets, a number of test cases to be executed and even the very number of users across geographies, So organizations are currently on lookout for fast paced, cloud environments with less errors and continuous improvement.

That's why we Global Skill Development Council and our advisors created Cloud Tester Advance Certification because organizations want certified professionals to handle their complex and large cloud environments with knowledge of best practices and right decision taking ability.

OBJECTIVES

The objective of Cloud Tester Advance level certification includes a deep understanding of:

1. Handling large Cloud Environments and best practices.
2. Knowledge of Cloud Deployment Models.
3. Methods and Techniques of Testing.
4. Cost Management & Installation.
5. Security Testing & Load Balancing.
6. Tools and frameworks.

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

1. Introduction to Cloud Computing:

- Characteristics of Cloud Computing
- Principles of Cloud Computing
- Cloud Technology and Terminology
- Risks
- Types of Clouds
- Role of Virtualization
- Cloud Service Management
- SOA (Service Oriented Architecture)
- Advantages and disadvantages
- Container technology.
- Public v/s Private and other models
- Clustering
- Load balancing
- Costs of cloud infrastructure
- Selecting OS, resources, instance type, etc.
- Installation of applications
- Checking usage and costing

2. Cloud v/s Traditional methods of Computing:

- Testing function
- Software Build Generation
- Build Deployment
- Data bed preparation
- Functional Testing
- Non functional Testing

3. Operations and Cloud Testing:

- Infrastructure as a Service (IaaS)
- Platform as a Service (PaaS)
- Software as a Service (SaaS)
- Private Cloud
- Public Cloud
- Hybrid Cloud
- Community Cloud

4. Technical Side of Cloud environment:

- Clusters
- Load Balancing

5. Techniques of Testing:

- Risk-Based Testing
- Rapid Testing
- Critical preparations required on Cloud
- Space, access rights
- Software&hardware environment

- Scalability of hardware&software capabilities
- Internet Access, network speed
- Smooth process of Build deployment
- Functional Testing: Test Execution on Cloud
- Functional Test Execution
- Integration Testing
- Regression Testing
- Defect verifications

6. Methods of Cloud Testing:

- Introduction to the Box Approach
- White Box Testing
- Black Box Testing
- Grey Box Testing
- Visual Testing
- Sanity Testing
- Scalability Testing
- Security Testing
- Smoke Testing
- Stress Testing
- Usability Testing
- Volume Testing

7. System Testing:

- Alpha, Beta & User acceptance Testing
- Non-Functional Testing Test Execution on Cloud
- Stress & Load Testing
- Important Parameters of Performance
- Scalability & Continuous Performance Verification
- Defect reporting, defect fixes&defect verification
- Decisions on Tools, data&environment



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
- Cloud Architects
- Solution Architects
- Software Tester
- Software Engineers
- Web Developers
- IT Managers
- Software Consultants
- DevOps Practitioners
- IT Directors
- Tool Providers
- Product Owners

Pre-requisites

here are no such prerequisites for this Cloud Tester Advance Certification. But Cloud Environment experience and working knowledge in software/app Testing are recommended.

If you are looking for an beginner level then you can go for [GSDC Cloud Tester Foundation Certification](#).

Find out more online at
www.gsdccouncil.org

