

Certified Cloud Tester - Foundation Level (CCT-FL)

Introduction

60min

- Introduction to the course
- Introduction to cloud computing
- Business case and usage for cloud computing
- Advantages and disadvantages
- Players in the cloud space

Cloud Technology and terminology

90min

- Virtualization as the backbone for cloud
- Container technology
- Containers v/s virtualization
- Public v/s Private and other models
- ...as a Service
- SaaS, PaaS, IaaS
- Clustering
- Load balancing
- Costs of cloud infrastructure

Walk in the clouds - demo (Use any cloud service for a demo)

120min

- A commercial cloud hosting service setup
- Choosing OS, resources, instance type etc.
- Installation of applications
- Checking usage and costing
- Common settings

Docker

180min

- Docker introduction
- Hands-on with dockers - creating and publishing images
- Docker and cloud hosting service

Challenges of cloud computing

120min

- Data location
- Application Sharing
- Multi-tenancy
- Data ownership, interoperability and portability
- Security
- Compliance
- Disaster recovery
- Expertise availability
- Running cost blindness
- Bandwidth requirement

Difference cloud testing and conventional testing

60min

- Testing on the cloud v/s testing the cloud
- Test environment
- Test data
- Build deployment
- Performance issues

- Scalability
- Stress tests

Testing on the cloud

210min

- Setting up the test environment - software and hardware
- Access rights
- Functional tests
- Tests related to back-end servers
- Non-functional tests
- Reliability
- Performance
- Interoperability
- Security

- Tools for cloud testing
- Testing migration to cloud

15min

Conclusion