

Workshop on “Testing of Cloud Applications”

1. Basics of Cloud Computing

- Origin of Cloud computing
- The niceties that Cloud brings to the field of Software Testing

2. Differences between Cloud and conventional methods of Computing

- Major changes that happened to Testing function due to origin of Cloud
- Software Build Generation
- Build Deployment
- Functional Testing
- Non functional Testing

3. Deployment Models of Cloud

- Private Cloud
- Public Cloud
- Hybrid Cloud
- Community Cloud

4. Cloud Service Models

- Infrastructure as a Service (IaaS)
- Platform as a Service (PaaS)
- Software as a Service (SaaS)

5. Technical nuances of Cloud environment

- Clusters
- Load Balancing

6. Testing on Cloud

- Delivering testing
- Setting up the environment
- Stress test
- Load test
- Performance test
- Functional testing
- Compatibility testing
- Browser performance testing
- Latency testing
- Operational challenges
- Evolving fast to meet a growing need
- Key Benefits from testing on the cloud.