Certified Cloud Tester - Foundation Level (CCTFL)

1. **Foundation**
   - What is Cloud Computing?
   - Characteristics of Cloud Computing
   - Not a Unified View
   - Your View of Cloud Computing
   - The Key Players
   - Interactions Between Cloud Computing Actors
   - What Cloud Brokers Do
   - Five Main Principles of Cloud Computing
   - Benefits
   - Risks
   - Types of Clouds
   - Cloud Reference Model
   - Major Service Patterns
   - An Example
   - Example Services Available to a Cloud Consumer
   - Major Activities of Cloud Providers
   - Other Service Patterns
   - Scope of Controls Between Provider and Consumer
   - The Role of Virtualization
   - Extending SOA
   - Cloud Service Management
   - The Importance of Testing
   - What This Means to Testers

2. **Defining Your Cloud Test Strategy**
   - Why a Test Strategy?
   - Key Test Planning Components
   - What to Include
   - Cloud Provider
   - Knowing How Much to Test – The Extent of Testing
   - How to Define a Cloud Test Strategy

3. **Test Environments**

- Requirements for Test Environments
- Extending Virtual Environments
- Characteristics of Cloud Test Environments
- The Role of Virtual Test Environments
- OpenStack Initiative
- Three Major Platforms
- Major Virtual Environment Vendors and Platforms
- Example – Cross-Platform Browser Testing
- Designing Test Environments
- Managing and Controlling Test Environments
- Variations