GAQM®

Global Association for Quality Management

Certified Cloud Tester - Foundation Level (CCTFL) ™

Course Outline

What Modules are covered?

Module 1 – Foundation

1) What is Cloud Computing?

2) Characteristics of Cloud Computing

3) Not a Unified View

4) Your View of Cloud Computing

5) The Key Players

6) Interactions Between Cloud Computing Actors

7) What Cloud Brokers Do

8) Five Main Principles of Cloud Computing

9) Benefits

10) Risks

11) Types of Clouds

12) Cloud Reference Model

13) Major Service Patterns

14) An Example

15) Example Services Available to a Cloud Consumer

16) Major Activities of Cloud Providers

17) Other Service Patterns

18) Scope of Controls Between Provider and Consumer

19) The Role of Virtualization

20) Extending SOA

21) Cloud Service Management

22) The Importance of Testing

23) What This Means to Testers

Module 2 – Defining Your Cloud Test Strategy

1) Why a Test Strategy?

2) Key Test Planning Components

3) What to Include

4) Cloud Provider

5) Knowing How Much to Test – The Extent of Testing

6) How to Define a Cloud Test Strategy

Module 3 - Test Environments

1) Requirements for Test Environments

2) Extending Virtual Environments

3) Characteristics of Cloud Test Environments

4) The Role of Virtual Test Environments

5) OpenStack Initiative

6) Three Major Platforms

7) Major Virtual Environment Vendors and Platforms

8) Example – Cross-Platform Browser Testing

9) Designing Test Environments

10) Managing and Controlling Test Environments

11) Variations

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