Professional Cloud Solutions Architect

Duration 3 Days

COURSE DESCRIPTION

This course is designed for technology professionals who architect the technology solutions that support the changing requirements due to adoption of cloud computing, and help organizations leverage the opportunities that cloud is creating. Solution Architects need to understand the impact that cloud is having on business and information architecture, application design, data management, and security architecture—and be very familiar with the topology and eco-systems that are being created as a result of increasing adoption of cloud technologies and operating models.

The Cloud Solution Architect course is designed for senior technology professionals who are architecting and designing the future generation of technology solutions. This training is delivered as a 3-day classroom or virtual classroom program. The training covers the critical concepts, and supplements this with hands-on, practical exercises, and case studies, which extensively refer to the technologies from the most important technologies, platforms and cloud standards.

The course materials include comprehensive reference materials that help to continue the participants' educational experience after the course. The course prepares candidates for the Professional Cloud Solutions Architect Certification (PCSA) Exam provided by the Cloud Credential Council. The PCSA is endorsed, recognized and supported by several key technology vendors and standards bodies. The content for this course, as well as the PCSA certification is based on the cloud standards developed by NIST.

AUDIENCE

The Professional Cloud Solutions Architect course will be of interest to:

- Technology Architects
- Application Architects
- System Architects
- Cloud Strategy Consultants
- Enterprise Architects
- Senior Developers

LEARNING OBJECTIVES

At the end of this course, the participant will gain competencies in and be able to:

- Explain the history of Cloud Computing and its impact on business and IT Architecture
- Demonstrate the key engineering concepts of operating "as a Service"
- Explain the impact of Cloud Computing on Service Management
- Understand Consumer & Provider Perspectives on Setting Up Cloud Environments
- Evaluating a Cloud Solution Architecture
- Migrating and transitioning to a Cloud environment

PREREQUISITES

There are no formal prerequisites; however, it is recommended that participants are knowledgeable in programming languages such as Java, PHP, JavaScript, etc. (and that participants are conversant with Cloud concepts and vocabulary). Participants further benefit from a strong background in application design and development.

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AGENDA

Day 1	Day 2	Day 3
Introduction	Cloud Service Life Cycle	Cloud Ecosystem
History of Cloud Computing	Service Transition and Service Transformation	Types of XaaS Solutions
Impact of Cloud Computing	Consumer Perspective on Setting Up Cloud Environments	Targeting the Right Solution Architecture
Technology Engineering of Cloud Computing	Provider Perspective on Setting Up Cloud Environments	Sample Exam and Certification Exam Preparation
Cloud Computing Solution Architectures		

ABOUT THE EXAM

- **Exam Format:** Web based, Closed Book
- **Question:** 25 questions
- **Pass score:** 65%
- **Duration:** 75 minutes. For non-native English speakers an additional 15 minutes is available.