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Professional Cloud Solutions Architect (PCSA)

Certificate:	Professional Cloud Solutions Architect	**Course ID:**	CCC-PCSA
Duration:	3 days (virtual) classroom	**Language:**	English
Course Delivery:	Classroom, Exam, eBooks	**PMI® PDUs:**	24
Accreditor:	Cloud Credential Council		

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 have achieved the Cloud Technology Associate certification (or its equivalent) from the Cloud Credential Council (and that participants are conversant with cloud concepts and vocabulary). It is further recommended that participants are TOGAF Certified (or its equivalent).

Course Material:

Participants receive a copy of the classroom presentation material and the Participant Handbook.

About the Examination:

The Professional Cloud Administrator certification is the most recognized/respected Professional Certification provided by the Cloud Credential Council (CCC). Professional certifications are awarded to candidates who have completed an approved certification training program.

Information on recommended follow-on training courses, including approved technology certification, is available from the Cloud Credential website (www.cloudcredential.org).

- **Exam Format:** Web based, Closed Book
- **Questions:** 25 scenario-based questions
- **Pass Score:** 65%
- **Duration:** 75 minutes. For non-native speakers an additional 15 minutes is available.
- **Proctoring:** Live or webcam

Technical Requirements:

For eBooks:
- Internet is required only for downloading the eBook. The eBooks can be read offline.
- eBooks can be downloaded and read on the following devices Laptop, tablet, Smart Phone, eReader PDF Reader, recommended Adobe Reader.

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		