

CCC Professional Cloud Developer

COURSE OBJECTIVES

At the end of this course, you will be able to:

- Understand cloud architecture patterns, caching, RESTful services, and session management, together with security and compliance fundamentals in the cloud environment.
 - Apply and analyze knowledge about database integrations, messaging in cloud environment, and scalable coding.
 - Understand development monetization techniques and license models.
 - Apply knowledge about semantic web and ontologies.
 - Understand development and deployment in IaaS.
 - Understand tenant aware application development, interoperable cloud code, and application architecture models in PaaS.
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- Understand software development in SaaS, development of open APIs, and mashup techniques together with understanding of cloud service catalogues and application marketplaces.

Course Agenda

Day 1

Module	Subject	Start	End	Total Time (in hours)
01	Course Introduction	09:00	09:30	00:30
02	Cloud Architecture Patterns	09:30	11:00	01:30
03	Service Modularity, Encapsulation, and Orchestration	11:00	13:00	02:00
	Lunch	13:00	13:30	00:30
03	Service Modularity, Encapsulation, and Orchestration	13:30	14:30	01:00
04	Development of Monetization Techniques	14:30	16:00	01:30
05	Cloud Security and Compliance Fundamentals	16:00	18:00	02:00
	Recap Day1	18:00	18:30	00:30
	Total			09:30
	Total(Less Lunch)			09:00

Day 2

Module	Subject	Start	End	Total Time (in hours)
	Review Day 1	09:00	09:15	00:15
06	Metadata and Semantic	09:15	10:45	01:30
07	Deployment and Testing in the Cloud	10:45	11:45	01:00
08	Scalable Coding	11:45	13:45	02:00
	Lunch	13:45	14:15	00:30
09	IaaS-Deployment Automation and Elastic Sizing of Environments	14:15	15:45	01:30
10	PaaS: Tenant-Aware Application Development	15:45	17:15	01:30
	Recap Day1	17:15	17:45	00:30
	Total			08:45
	Total(Less Lunch)			08:15

Day 3

Module	Subject	Start	End	Total Time (in hours)
	Review Day 2	09:00	09:15	00:15
11	PaaS Application Architecture Models	09:15	11:15	02:00
12	PaaS: Interoperable Cloud Code	11:15	13:15	02:00
	Lunch	13:15	13:45	00:30
13	SaaS: Cloud Service Catalogs and Application Marketplaces	13:45	15:45	02:00
14	SaaS: Mashups and Open APIs	15:45	17:45	02:00
	Exam Preparation and Q & A	17:45	18:45	01:00
	Exam (if taken on the same day)	18:45	19:45	01:00
	Total			10:45
	Total(Less Lunch)			10:15