

CCP Module 2: Cloud Technology Concepts

This course explores a range of the most important and relevant technology-related topics that pertain to contemporary cloud computing platforms. The course content does not get into implementation or programming details, but instead keeps coverage at a conceptual level, focusing on topics that address cloud service architecture, cloud security threats and technologies, virtualization and data processing.

Proven technologies are defined and classified as concrete architectural building blocks called “mechanisms”. The purpose of this course is to introduce cloud computing-related technology topics in a manner that is accessible to a wide range of IT professionals, as well as to empower participants with an understanding of the fundamental mechanics of a cloud platform, how the different “moving parts” can be combined, and how to address common threats and pitfalls.

The following primary topics are covered:

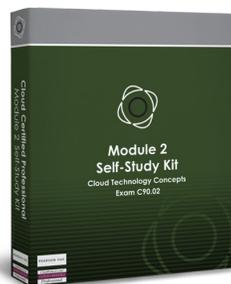
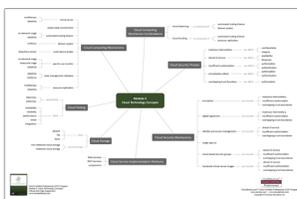
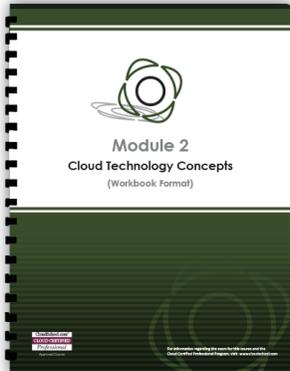
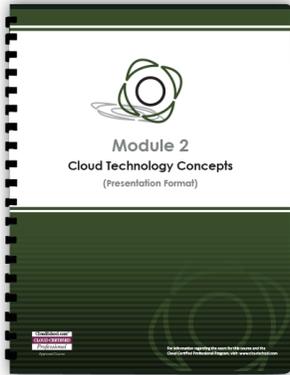
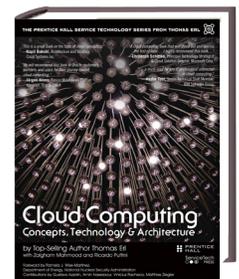
- Cloud Computing Mechanisms that Establish Architectural Building Blocks
- Virtual Servers, Ready-Made Environments, Failover Systems & Pay-for-Use Monitors
- Cloud Balancing and Cloud Bursting Architectures
- Common Risks, Threats and Vulnerabilities of Cloud-based Services & Cloud-hosted Solutions
- Cloud Security Mechanisms Used to Counter Threats and Attacks
- Understanding Cloud-Based Security Groups and Hardened Virtual Server Images
- Cloud Service Implementation Mediums (including Web Services and REST Services)
- Cloud Storage Benefits and Challenges
- Cloud Storage Services, Technologies and Approaches
- Non-Relational (NoSQL) Storage Compared to Relational Storage
- Cloud Service Testing Considerations and Testing Types

Duration: 1 Day

For more information, visit www.cloudschool.com.

Cloud Computing: Concepts, Technology & Architecture Text Book

This CCP course module covers a range of in-depth topics that are described in the course booklet and further elaborated by detailed technical coverage and case study examples in the accompanying *Cloud Computing: Concepts, Technology & Architecture* text book from the acclaimed *Prentice Hall Service Technology Series* from Thomas Erl.



Self-Study Kit

The materials for this course module can be purchased separately as part of the Module 2 Self-Study Kit, which includes additional materials and study aids. These materials are designed to prepare you for Exam C90.02 and are also suitable for general remote, self-paced study purposes.

For ordering information, visit www.cloudselfstudy.com.