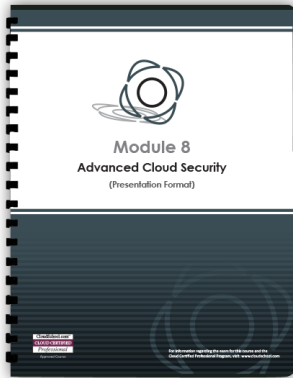


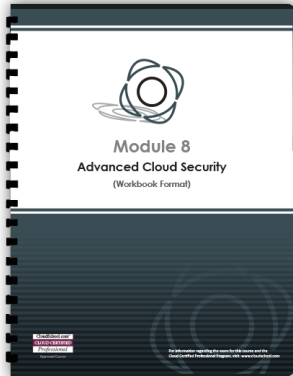
# CCP Module 8: Advanced Cloud Security



This advanced course covers cloud security mechanisms and architectural design patterns that address data and access control security for virtual machines, as well as trust boundaries, geotagging and BIOS security. The course also explains common methods used by attackers to breach organizational resources and provides a methodology for countering such attacks. The course concludes by demonstrating the relationship between threats, attacks, and risks via threat modeling.

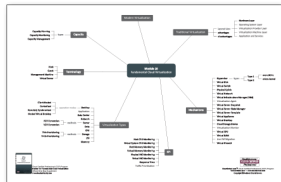
The following topics are covered:

- Cloud Service Security Patterns and Supporting Mechanisms
- Virtual Machine Platform Protection Patterns
- Considerations for Setting Up Secure Ephemeral Perimeters
- Trusted Cloud Resource Pools and Cloud Resource Access Control
- Permanent Data Access Loss Protection and Cloud Data Breach Protection
- Isolated Trust Boundaries
- The Attack Lifecycle and the Security Lifecycle
- Proactive Mitigation vs. Incidence Response
- Threats, Vulnerabilities, Impacts from Exploitation
- Threat Modeling, Threats and Mitigations



Duration: 1 Day

For more information, visit [www.cloudschool.com](http://www.cloudschool.com).



## Cloud Computing Design Patterns 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 Design Patterns* 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 8 Self-Study Kit, which includes additional materials and study aids. These materials are designed to prepare you for Exam C90.08 and are also suitable for general remote, self-paced study purposes.

For ordering information, visit [www.cloudselfstudy.com](http://www.cloudselfstudy.com).