

## Virtualization Essentials eLearning Course

**Certificate:** CCC Virtualization Essentials Certificate

**Duration:** 12 hours

**Course Delivery:** eLearning (QAS Self-study)

**Course ID:** VCC1210E

**Language:** English

**Credits:** 12 PDUs

### Course Description:

The Virtualization Essentials Course™ is a 12-hour, interactive, online learning experience. The course provides a balanced curriculum and addresses the business perspective, the technical organization, and operating and governing virtualization. The course enables the participants to successfully complete the associated Virtualization Essentials exam to become a Virtualization Essentials Professional (VEP) with the Cloud Credential Council. In addition, the course complements the Cloud Essentials course. The participants can take the Cloud Essentials course either before or after they have taken the Virtualization Essentials course.

### Course Approach:

Scenario-driven learning has always been one of the key success factors of ITpreneurs courses, because it puts participants in the right mindset to apply the principles in a realistic setting. The role-play activities included in this course present a real-world connection by using situations that can occur in the day-to-day life of participants. In addition, interactive elements such as brainstorms, quizzes, and discussions add to the interactive nature of this course.

### Audience:

- IT Support Staff
- IT Consultants
- Business Managers
- Business Analysts
- Small and Midsized Business Owners
- Specialist (IT, security, infrastructure, services, systems, test, and so on)
- Business Process Owners
- IT Developers
- Service Providers
- System Integrators
- Architects



- Consultants
- IT Management

**Learning Objectives:**

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

- Understand the common terms and definitions of virtualization.
- Comprehend the business benefits and business considerations of virtualization.
- Understand various approaches to server virtualization, its relevance to the modern data center, available platforms, and important features.
- Understand the implications of virtualization on storage, networks, and applications and recognize issues, challenges, and opportunities for managing this.
- Comprehend the implications of virtualization on the modern workplace, and recognize challenges and opportunities for managing this.
- Understand the impact and changes of virtualization on IT service management.
- Explain typical steps that lead to the successful adoption of virtualization techniques, and understand the implications for an organization.
- Recognize the compliance, risk, and regulatory consequences of virtualization and its financial and strategic impact on an organization.

**Course Logistics:**

- Computer (Pentium IV, Internet Explorer 5.x, cookies enabled, Macromedia Flash Player 6.0, speakers or a headset, and 1,024X768 pixel resolution).
- Broadband Internet connection.

**Prerequisites:**

There are no formal prerequisites. However, it is recommended that participants have experience in the IT domain.

**Course Material:**

Online, self-paced instructional material available for 90 days

**About the Examination:**

- The course includes an Exam Preparation module, preparing participants to complete the Virtualization Essentials exam on the second day of the course.
- The online exam is in closed-book format, with 40 multiple-choice questions. The pass score is 65% (26 out of 40 questions). The exam lasts for 60 minutes.
- Professionals who have passed both the CompTIA® Cloud Essentials Exam, as well as the CCC Virtualization Essentials Exam are eligible for the Cloud Technology Associate Certificate ([www.cloudcredential.org](http://www.cloudcredential.org)).

**Agenda:**

Modules	Topics
1. Course Introduction	Course Overview
2. Introduction of Virtualization	Context, Definitions, and Landscape
3. Business Perspective	Business Value, Inhibitors, and Challenges
4. The Virtual Data Center: Server Virtualization	Server Virtualization, Elements, Platforms, and Features
5. The Virtual Data Center: Storage, Networks, and Applications	Storage, Networking, Automation, Tools, and Implications



6. Workplace Virtualization Technologies	Workplace, Challenges, and Solutions
7. Adopting Virtualization	Roadmaps, Service Introduction, and Migration Techniques
8. Operating Virtualization	Service Management Applied to Virtualization
9. Governing Virtualization	Risk Management, Financial Management, and Sharing Policy
10. Exam Preparation	40 Sample Questions
Exam	

Copyright © 2014 ITpreneurs. All rights reserved.

ITIL® is a registered trademark of the Cabinet Office

IT Infrastructure Library® is a registered trademark of the Cabinet Office

The Swirl logo™ is a trademark of the Cabinet Office

R.E.P. © is a registered service and membership mark of Project Management Institute, Inc.

PMI® is a registered trade and service mark of Project Management Institute, Inc.

