



# Virtualization Foundation E-Learning



## Course Description:

The Virtualization Foundation Online course is a 10-hour, interactive, online learning experience that provides a balanced curriculum, addresses the business and technical perspectives of virtualization, and explains how to adopt, operate, and govern the cloud. The course enables participants to successfully complete the associated Virtualization Foundation exam. Additionally, the course complements the Cloud Computing Foundation course, which the participants can take either before or after completing the Virtualization Foundation course.

## Course Approach:

Scenario-driven learning allows participants to apply the principles of virtualization and cloud computing in a realistic setting. The role-playing activities included in this course present a real world connection using situations that occur in everyday life. In addition, activities including brainstorming sessions, quizzes, and discussions add to the interactive nature of this course.

## Learning Objectives:

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

- Understand the technical capabilities and operating model for virtual infrastructures.
- Comprehend how business benefits can be described and measured.
- Understand the implications on direct costs and cost allocations.
- Explain relevant barriers to adoption and success with virtualization and mitigation strategies.
- Comprehend the technical approaches, components, capabilities, and techniques of virtualization technologies.
- Explain typical steps that lead to the successful adoption of virtualization technologies.
- Understand the impact and changes of virtualization on IT Service Management.
- Identify the issues associated with integrating virtualization into an organization's existing compliance risk and regulatory framework.

## Prerequisites

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



## Course Student Material

- Online, self-paced instructional material available for 90 days.
- Get Ready For Cloud Computing book available as reference material.

## About the Examination

- The course includes an Exam Preparation module, preparing participants to complete the Virtualization Foundation exam on the second day of the course.
- The exam is in closed-book format, with 40 multiple-choice questions. The passing score is 65% (26 out of 40 questions) and the exam lasts for 60 minutes.

## Agenda:

1. Course Introduction	Course Overview and Logistics
2. Introduction to 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
5. Adopting Virtualization	Roadmaps, Service Introduction and Migration Techniques
6. Operating Virtualization	Service Management applied to Virtualization
7. Governing Virtualization	Risk Management, Financial Management and Sharing Policy
8. Exam Preparation	40 Sample Questions
EXAM	Optional, At Additional Cost

## About TechnoLava LLC:

TechnoLava LLC is focused on IT Service Management and Cloud Computing Solutions. We provide ITIL and Cloud best practice consulting, training, assessment and implementation services. Our ITSM Maturity and ISO20000 Assessment services will develop a roadmap to ensure process improvement across the organization. TechnoLava provides Full Lifecycle Development, to include Requirements Analysis, Process and Workflow development, Training and Design and Implementation of the solution. TechnoLava enables immediate benefits to Cloud and IT Service Management solutions by delivering predictability, security, availability and reliability to your operational environment.