



# CLOUD VIRTUALIZATION ESSENTIALS

## Syllabus



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COUNCIL



The Virtualization Essentials course was developed with the help from leading organizations and thought leaders. A special acknowledgement goes to the Authors and the Review Board for their contribution:

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# Virtualization Essentials!

- Balanced approach to learning the business perspectives and technical organization.
- Principles for operating and governing virtualization.

## Objectives

Upon successful completion of this course, participants will be able to:

- Specify the technical capabilities and operating model for virtual infrastructures.
- Discuss how business benefits can be described and measured.
- Describe the implications for direct costs and cost allocations.
- Explain relevant barriers to adoption and success with virtualization and appropriate mitigation strategies.
- Outline the technical approaches, components, capabilities, and techniques of virtualization technologies.
- Explain the steps that lead to 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.

## Syllabus Areas – Virtualization Essentials

### 1. Course Introduction

- Introductions
- Overview
- Course Learning Objectives
- Course Agenda
- Case Study
- Introduction of PureNRG
- Organizational Chart
- PureNRG's CIO
- History
- PureNRG's Business Units
- Closing
- Course Portfolio
- Acknowledgements

### 2. Introduction to Virtualization

- 2.1 Definitions and Concepts
- 2.2 Virtualization in Context
- 2.3 Virtualization Readiness



2.4 Virtualization Landscape

### **3. Business Perspective**

3.1 Business Value

3.2 Inhibitors and Challenges

### **4. Server Virtualization for the Data Center**

4.1 Server Virtualization Overview

4.2 Types of Server Virtualization

4.3 Leading Platforms

4.4 Unique Features

### **5. The Virtual Data Center: Storage, Networks and Applications**

5.1 Virtualization and Storage

5.2 Virtualization and the Network

5.3 Systems Management

5.4 Opportunities for Application Developers

### **6. Workplace Virtualization Technologies**

6.1 Workplace virtualization Overview

6.2 Challenges and Solutions

### **7. Adopting Virtualization**

7.1 Roadmaps

7.2 Service Introduction

7.3 Migration Technologies

### **8. Operating Virtualization**

8.1 Impact on Service Management Processes

8.2 Virtualization and Service Management

### **9. Governing Virtualization**

9.1 Risk Management

9.2 Financial Management

9.3 Sharing Policy and IT Management

