

70-247 - Configuring and Deploying a Private Cloud with System Center 2012 R2

Modality: On Demand

Duration: 11 Hours

About this Course:

As technology becomes an integral part of almost all industries today, it is pertinent to remember that no business can be entirely successful without utilizing modern tech. As more and more businesses are relying on the cloud technology, the demand for cloud administrators is also increasing. As per an estimate, Systems Administrator with Cloud Computing skills earn around **\$75,776** per annum.

A private cloud can be termed as a set of cloud computing and storage services offered either over the Internet or a private internal network which is walled off to the general public. Only authorized individuals can have access to this network. The greatest advantage of private clouds is that it is dedicated to a single organization without sharing it with others. Additionally, a private cloud is commonly managed through internal resources. The term private cloud and virtual private cloud (VPC) are often used interchangeably.

This particular course series is designed to teach individuals how to configure and deploy a private cloud with System Center 2012 R2. This course aims to teach participants how to work with cloud, gain a comprehensive understanding of the cloud components, and understand infrastructure and service catalog. This course also focuses on virtual applications. Furthermore, this course includes tutorials on server management, automation and cloud security measures.

Note: This course was aimed to prepare students for its corresponding exam 70-247 but this exam has been retired by Microsoft, with no direct replacement at this time. However, this course is exceptional in providing the knowledge required to manage and work with Private Cloud.

Course Objectives:

By the end of this course, the students should be have learnt the following skills and be able to;

- Design and plan images
- Learn how to capture images
- Learn how to maintain images
- Gain skills needed to create a deployment method
- Learn how to implement the designed deployment infrastructure
- Learn how to execute a Lite Touch deployment
- Learn how to execute a Zero Touch deployment
- Learn how to create and build a user state migration
- Chalk out a plan for a Remote Desktop Session Host and configure it.
- Gain the skills needed to plan and implement a Remote Desktop Virtualization Host infrastructure
- Learn how to plan and configure a Remote Desktop Connection Broker Plan and configure a

Remote Desktop Gateway

- Learn how to plan and configure Remote Desktop Web Access
- Gain the knowledge needed to design and configure user state virtualization
- Gain the knowledge needed to configure the Remote Desktop client experience
- Learn how to design and manage desktop security
- Understand how to implement an updates infrastructure
- Learn how to handle the virtual desktop infrastructure
- Build and configure virtual collections

Audience:

This course is targeted towards the following audience;

- cloud Administrators

Prerequisites:

These are the prerequisites which are an absolute requirement for attending this course.

- A generalized knowledge of cloud infrastructure
- Previous Networking experience

Course Outline:

- **Course Introduction**
- Module 01 - Understanding the Private Cloud
- Module 02 - Using VMM to Deploy the Cloud
- Module 03 - Working With the Private Cloud Infrastructure
- Module 04 - Virtual Applications
- Module 05 - Components of the Private Cloud
- Module 06 - A First Business Unit Cloud
- Module 07 - Private Cloud Infrastructure
- Module 08 - Monitoring the Private Cloud
- Module 09 - Service Management for the Cloud
- Module 10 - Private Cloud Service Catalog
- Module 11 - Security for the Cloud
- Module 12 - Automation in the Private Cloud
- Course Conclusion