

## **70-247: Understanding Private Cloud with System Center 2012 R2**

**Modality: On Demand**

**Duration: 1 Hour**

### **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.

This is an advanced level course. This course has been specifically designed with cloud administrators in mind. In particular, it targets those cloud administrators whose role includes designing, installing and configuring a cloud infrastructure.

Before delving into the details of this course, let us try and understand the basics of a private cloud. 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.

This course is designed to address the fundamental principles of configuration and the techniques needed to execute a private cloud infrastructure using Microsoft System Center 2012 R2. This course also teaches students how to manage a cloud environment and handle its administration while also going into detail of how one can monitor the infrastructure and applications that are in the cloud.

### **Course Objectives:**

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

- Learn how to chalk out plan for a hybrid cloud.
- Acquire skills needed to configure and deploy a private cloud with Microsoft System Center 2012 R2 Virtual Machine Manager.
- Effectively execute and build a cloud infrastructure.
- Learn how to configure application delivery for a cloud.
- Learn and effectively design private cloud building blocks.
- Gain skills needed to deploy and access private clouds.
- Learn how to monitor and manage the cloud infrastructure.
- Extend and customize monitoring of the cloud infrastructure.
- Learn how to implement service management for the cloud.
- Acquire skills needed to configure high availability, disaster recovery and protection for a cloud.
- Automate and standardize the cloud.
- Configure a multi-tenant cloud.

### **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 basic previous understanding of Windows Server 2012 R2 operating system.
- A basic previous understanding of Active Directory Domain Services (AD DS).
- A basic previous understanding of previous versions of System Center products.
- A basic previous understanding of Microsoft SharePoint.
- A basic previous understanding of Windows Server 2012 R2 Hyper-V.
- A basic previous understanding of Microsoft Windows Azure.
- A basic previous understanding of Microsoft Windows Azure Pack.
- A basic previous understanding of Networking and storage experience.
- A basic previous understanding of cloud management processes.
- Previous working experience with IT Infrastructure Library (ITIL).
- Previous working experience with Microsoft Operations Framework (MOF).

## **Suggested prerequisite course:**

The following courses are suggested to be taken prior to attending this course.

## **Course Outline:**

- Understanding the Private Cloud