

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

Modality: Self-Paced Learning

Duration: 1 Hour

SATV Value:

CLC:

NATU:

SUBSCRIPTION: Learn, Master

About this course:

This advanced level course is intended for cloud administrators who will be responsible for designing, installing and configuring a cloud infrastructure. First lets have a brief look that what is private cloud. Well for starters, the private cloud is defined as computing services offered either over the Internet or a private internal network and only to select users instead of the general public. This course describes the principles of configuration and implementation of private cloud technologies using Microsoft System Center 2012 R2, also includes the method of cloud environment management and administration, describes how you can monitor the infrastructure and applications that are in the cloud.

The actual purpose for this course is to prepare our students for the .

The average salary for Systems Administrator with Cloud Computing skills is **\$75,776** per year.

Course Objective:

After completing this course, students will be able to:

- Plan for a hybrid cloud.
- Configure and deploy a private cloud with Microsoft System Center 2012 R2 Virtual Machine Manager.
- Extend and maintain the cloud infrastructure.
- Configure application delivery for a cloud.
- Create private cloud building blocks.
- Deploy and access private clouds.
- Monitor the cloud infrastructure.
- Extend and customize monitoring of the cloud infrastructure.
- Implement service management for the cloud.
- Configure high availability, disaster recovery and protection for a cloud.
- Automate and standardize the cloud.
- Configure a multi-tenant cloud.

Audience:

This course is intended for:

- Cloud Administrators

Prerequisites:

This course describes cloud configuration and deployment with System Center 2012 R2. Because this is an extensive technical domain that includes several individual products and technologies, it is strongly recommended administrators have prerequisite knowledge in the following areas:

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

Suggested prerequisites courses:

Course Outline:

- Understanding the Private Cloud