Azure Application Deployment and Management

Modality: On Demand

Duration: 16 Hours

About this course:

Azure provides you a platform to build state-of-the-art applications via its portal including a lot features regarding its deployment. It also offers application configuration and integrated solutions that you need.

This course is prepared with an objective to construct a better understanding of containers and features associated with it. You will learn what containers are, how to use them and why they are an essential component of modern cloud based applications when it comes to their workloads.

This course will also explain everything about the Azure Container Service, using techniques for managing orchestration and configuration of clusters. This is essential if your goal is to get trained in learning performance of the workloads that are containerized, the procedures and tasks necessary to supervise their deployment and perform scalable and efficient operations.

Above all, once you complete this course, you will attain comprehensive knowledge regarding Distributed Application Services and you will learn appropriate ways to integrate Service Fabric on this platform, manage its deployment and execute it along with workloads of your application using simple ways and with added scalability.

Course Objective:

After successful completion of this course, students will get knowledge and understanding of various topics and tasks:

- Executing Windows Container Services and applying container solutions in a number of ways using Microsoft Azure.
- Using tools such as Docker and Docker Swarm in combination with container services based on Linux like Docker and Docker Swarm.
- How to use open source applications such as Chef and Puppet as a 3rd party on Microsoft Azure by utilizing Azure MarketPlace Solutions.

Audience:

Professionals having extensive experience in Microsoft or any other IAAS and PAAS services run by cloud service providers are the ideal candidates of this course.

Prerequisites:

Although experience and knowledge related to Microsoft Azure is not mandatory but it will provide an edge to understand this course.

https://www.quickstart.com/ Contact Us: (866) 991-3924

Course Outline:

Module 1: Containers

- What Are Containers?
- Container Structure and Components
- Managing Container Images
- Working with Containers
- Review Questions
- Practical Exercises

Module 2: Azure Container Service

- Azure Compute Platform Overview
- Azure Container Service Overview
- DC/OS with Azure Container Service
- Docker Swarm with Azure Container Service
- Kubernetes with Azure Container Service
- Review Questions
- Practical Exercises

Module 3: Azure Service Fabric

- Introduction to Microservices
- What is Azure Service Fabric?
- Deploying Applications to Service Fabric Clusters
- Application Architecture and Programming Models
- Upgrading Applications
- Planning Service Fabric Clusters
- Service Fabric with Linux
- Review Questions
- Practical Exercises

Course Completion

- Final Exam: Graded Event?