Creating And Deploying Apps (AZ-300.4)

Modality: On Demand

Duration: 12 Hours

This course will train you for the AZ-300 Exam that will lead to the Certification. However, this course will not include the Official Examination Voucher but you can apply separately to buy t he Official Exam Voucher.

About this course:

This course teaches IT pros how to create Logic App solutions by automating tasks and business processes as workflows that connect applications, data, systems and services through organizations. Logic Apps is MS Azure's cloud service that simplifies how you develop and build portable solutions for device integration, system integration, data integration, EAI (enterprise application integration), and B2B (business-to-business) communication, either in the cloud, at just the premises, or even both.

Also, you will learn how MS Azure Service Fabric is a distributed system platform that makes scalabl e and efficient microservices and containers simple to package, execute and manage. Additionally, S ervice Fabric tackles the major challenges of designing and running native cloud applications. Progra mmers and managers should avoid challenging infrastructure issues, and concentrate on delivering mission-critical, scalable, secure, and manageable workloads. Service Fabric is the next-generation platform to build and operate such container-running enterprise-class, tier-1, cloud-scale apps. Finally, you will learn how MS Azure Kubernetes Service makes deployment in Azure of a managed Kubernetes cluster easy.Through offloading much of that burden to Azure, Azure Kubernetes Service eliminates the difficulty and operating overhead of running Kubernetes. As a hosted service at Kubernetes, Azure manages you with essential activities such as health monitoring and maintenance.

Course Objective:

Once this course is finished, learners will know how to:

- Utilize shell commands in creation of an App Service Web App
- Develop Background Tasks
- Utilize Swagger in API documentation
- Building an efficient service
- Developing a Reliable Actors app
- Practical learning of Reliable collections
- Knowledge of the MS Azure Container Registry
- Utilizing MS Azure Container instances

Targeted Audience:

- The targeted audience of this course is Cloud Solutions Architects.

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Prerequisite:

- None

Recommended Prerequisite Course:

None

Course Outline:

Module 1 - Creating Web Applications using PaaS

- Introduction Web Apps
- Using shell commands create an App Service Web App
- Creating Background Tasks
- Using Swagger document an API
- Creating an App Service Logic App
- Review Questions
- Module 1 Assessment

Module 2 - Creating Apps and Services Running on Service Fabric

- Understanding Azure Service Fabric
- Creating a reliable service
- Creating a Reliable Acrs app
- Working with Reliable Collections
- Review Questions
- Module 2 Assessment

Module 3 - Using Azure Kubernetes Service

- Creating an Azure Kubernetes Service Cluster
- Azure Container Registry
- Azure Container Instances
- Online Lab: Lab: Implementing Custom Azure VM Images
- Review Questions
- Module 3 Assessment