

Azure Basics

About This Course

This course is intended for students who have experience building vertically scaled applications. Students will also have experience with the Microsoft Azure platform and a basic understanding of the services offered.

This course offers students the opportunity to take an existing ASP.NET MVC application and expand its functionality as part of moving it to Azure. This course focuses on the considerations necessary when building a highly available solution in the cloud.

Course Outline

- Module 1: Azure, Cloud, SAAS, PAAS and IAAS.
- Module 2: SQL Server on Azure (DTU & EDTU)
- Module 3: Azure Functions.
- Module 4: Azure storage (Blobs, Table, File and Queue).
- Module 5: Azure Cosmos DB.
- Module 6: Microservices & Azure Fabric in 90 Minutes.
- Module 7: Azure tables, Partition and Row keys.
- Module 8: Block blobs, Append blobs & Page blobs.
- Module 9: Azure Queues, visibility timeouts, Peek & De-Queue.
- Module 10: Cloud services vs App services.
- Module 11: WebJobs and background processing.

- Module 12: "DEVOPS"
 1. Whole continuous integration cycle with VSTS and Git
 2. Build definitions (breakdown, creation and implementation)
 3. Release definitions (breakdown, creation and implementation)