CLOUD computing using Windows AZURE

By Mr Nagaraju

Course Description:

Windows Azure is the public cloud platform provided by Microsoft. Windows azure provides reliable, scalable and highly available hosting environment. The Windows Azure platform includes Windows Azure, Microsoft SQL Azure, and Windows Azure platform AppFabric.

This Course exposes all the Azure capabilities for every developer and specially focusing on .NET based AZURE development. The idea of the course is to make student/developer aware about Windows Azure Public Cloud Platform and make different type of .net applications cloud based.

Pre-requisites:

Before attending this course, students must have the following pre-requisites:

- ✓ Have C#(preferred) or VB.NET programming skills.
- ✓ General ASP.NET 2.0 and Web programming concepts.

Schedule Session-Wise Continued...

Day #	Cloud Computing with Windows Azure Schedule for batch 7:45p Date:
1	Cloud computing-definition O/s & cloud o/s .Net Framework for cloud Developers with cloud Windows azure – MS cloud o/s Demo – VS.NET support for Cloud / Glance of AZURE Portal
2	More windows Azure benefits Azure installation - Create azure apps from scratch Azure roles – web & worker Programing asp.net apps for azure
3	Visual studio templates Working with azure portal Uploading & testing azure apps Publishing on azure apps Configuring azure apps
4	Web roles – More detailed Basic role configuration - Development fabric and its uses Local debugging Developing & deploying
5	More examples of azure Web forms & MVC Ajax & stateless web roles [Multi – tenancy session state**]
6	Building service oriented azure applications Adding WCF service to ASP.net application WCF service role Programming WCF services , attributes & configuration Implementing WCF service
7;8	Building interoperable azure services Locating azure service – adding service references Setting WCF bindings – access azure service using SOAP [or] rest Employing azure service s from WPF, Silverlight & non .net environments
9,10	Storage in windows azure Understand storage partitions in azure Storage partitions strategies Using Tables-using Blobs-using Queue All CRUD operations using azure storage
11/12	SQL azure-creating a/c What are the differences SQL azure-SQL serner

	Migration-made easy-tool support
	Demo using SQL azure data-creating/accessing
	Microsoft sync framework-synchronization
13	Windows azure for windows phone/IPHONE/android
	Toolkit – Windows Phone , IPHONE & Android
	Demos
14	Metro Apps – New style of developing desktop & hybrid apps
	Windows 8 App with windows azure
	Creating Metro App consuming AZURE and other Cloud services.
15*	More Cloud Scenarios in Development

** based on existing knowledge of students   * only if the regular topics are completed

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