



Cloud Development using Windows Azure

Training Name	Cloud Development using Windows Azure
Product Code	CC-Azure-01
Duration	Three days
Who will benefit from this training?	Developers and solution architects with an interest in developing solutions using emerging technologies of Cloud Computing and Windows Azure platform
Prerequisites and background	Good knowledge of .NET & C# including technologies like ASP.NET using Visual Studio.
Overview	<p>Upon course completion, you will :</p> <ul style="list-style-type: none">• Understand the Azure platform and its architecture• Create Azure applications using the different execution models.• Understand different data storage technologies and use the proper variant for your application.• Use messaging to bridge the gap among Cloud applications and on premise.• Integrate cache and CDN into your application• Authenticate using federation and claims• Use access control service for authorization• Manage Azure applications lifecycle
Training Content	Module 1: Windows Azure Platform Overview & Architecture



- Execution Models
- Data Management
- Messaging
- Caching
- Identity

Module 2: Windows Azure Compute

- Publishing Applications to Azure Websites
- Developing Cloud Services
- Deploying Web and Worker Roles
- Programming with Virtual Machines
- Developing Mobile Apps with Mobile Services

Module 3: Windows Azure Data Services

- Using SQL Database for your Application
- Analyzing data using SQL Reporting
- Accessing data fast with Tables Service
- Storing unstructured data using Blobs
- Choosing the right storage technology

Module 4: Windows Azure App Services

- Messaging between applications using Queues
- Exchanging Data using the Service Bus
- Caching data using Azure in-memory Cache
- Making use of CDN to speed up data access
- Authenticating your users using Access Control
- Developing Directory Services for your application

Module 5: Application Lifecycle Management for Cloud Applications

- Understanding ALM for your Azure Application
- Deploying Windows Azure Applications
- Diagnosing and Troubleshooting Azure Applications
- Monitoring and Scaling Azure Applications

Number of attendees

10 participants

