

AZURE



CURRICULUM

» Cloud Computing

- Introduction to Cloud Computing
- Understanding different Cloud Models
- Advantages of Cloud Computing
- Different Cloud Services
- Cloud vendors

» Microsoft Azure Platform

- Introduction to Azure
- Azure Features
- Azure Services
- Azure Management Portal
- Azure Advantages

» Azure Virtual Machines

- Introduction to Azure Virtual Machine
- Creating Azure Virtual Machine
- Understanding Virtual Machine Configuration
- Customize Azure Virtual Machine Networking
- Scaling Virtual Machines
- Highly Available Azure Virtual Machine

» Azure Web App

- Introduction to Azure Web App
- Creating and Configuring Azure Web App
- Publishing a simple ASP.NET web application to Web App
- Monitor and Analyze Azure Web App

» Azure SQL Database

- Introduction to SQL Azure
- Creating and Managing SQL Databases
- Azure SQL Database Tools
- Migrating data to Azure SQL Database
- Securing and Recovering an Azure SQL Database Instance

» Designing Robust Cloud Applications

- Design Practices for Highly Availability
- Application Analytics
- Building High Performance Applications by Using ASP.NET
- Common Cloud Application Patterns
- Caching Application Data

» Azure Cloud Services

- Cloud Service Web Roles
- Understanding Cloud Service Configurations

- Updating and Managing Cloud Service Deployments
- Understanding Cloud Service Worker Role
- Cloud Service Worker Role Processing
- Analyzing Application Cloud Service Role

» Deep Dive in MapReduce

- Azure Tabular Data Storage
- Introduction to Azure Storage Tables
- Table Entity Transactions
- Access to Storage Blobs and Containers
- Monitoring Storage Blobs
- Configuring Azure Storage Accounts
- Azure Files
- Uploading and Migrating Storage data

» Azure Queues and Service Bus

- Introduction to Azure Storage Queues
- Handling Storage Queues Messages
- Introduction to Azure Service Bus
- Azure Service Bus Queues
- Azure Service Bus Relay
- Azure Service Bus Notifications Hubs

» Automating Integration with Azure Resources

- Azure SDK Client Libraries
- Azure Service Management by Using Windows PowerShell
- Virtual Machine Configuration Management
- Azure REST Interface
- Azure Resource Manager

» Azure Active Directory and Security

- Introduction Azure AD Directory
- Identity Providers
- Azure AD Multi-Factor Authentication
- Azure Role-Based Access Control

» Azure Deployment Strategies and Monitoring

- Deployment Strategies for Web Applications
- Deploying Azure Services
- Continuous Integration
- Monitoring Cloud Applications

Partners :



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