

✓ Introduction to Cloud Computing

- Understanding Cloud Computing
- Benefit and Feature of Cloud Computing
- Explain on Platform as a Service (PaaS), SaaS, IaaS
- Cloud Trends, Public and Private Cloud
- Principles of Parallel and Distributed Computing
- Depth explain on Virtualization, Architecture of Cloud Computing
- Major Player on Cloud Infrastructure

✓ Getting Start with Microsoft Azure

- Overview of Microsoft Azure
- Explains on Azure Platform
- Getting Access to Azure
- Explain on Azure Resource Manager
- Using Azure Portal
- Manage Azure using Azure Portal
- Manage Azure using Power Shell
- Understanding on Management Services
- Create and View Resources
- Explain on Azure services

✓ Visual studio Online

- Overview of VSTS
- Create VSTS Account
- Roles And Responsibilities in Vsts
- Create Project and User mapping to vsts
- VSTS Access to Different roles
- Project management using vsts
- Test case Management through vsts
- Methodologies In VSTS(SCRUM,AGILE,CMMI)
- Deployment Group Creation
- Configure the VSTS service in the virtual machines
- Agent management in the VSTS
- Capacity Planning using VSTS
- Can Ban Board Management
- Scrum Managemen

✓ Repository Management/Branch Management

- Create the New repository
- Create the Master branch

- Create the Own Branches based on the developer requirement
- Branch merging
- Import Repository from Outside of the vsts to vsts
- Creating Pull Requests And Accepting Pull Requests

✓ CI/CD Process Using Vsts and Azure

- Task Creation Based on the Application Repository
- Create the CI Process
- Build Setup
- Environments Setup
- Authenticate Build to Azure Web service
- Failover Mechanism
- Load balancing
- Cluster Creation for Load Balancing
- Continues Integration Setup
- Test Cases Build
- Build alerts Configuration
- IAAS Deployments
- PAAS Deployments
- Micro Services Deployment using Azure
- Alerts Configuration Using Azure
- Arm Build and Release Templates Creation
- Build And deployments through Power Shell
- Build And Deployments Authentication and authorization

✓ Working with Azure Storage

- Explain on Standard and Premium Storage
- Understanding Azure Storage Services (Blob, File, Table, Queue)
- Azure Storage Architecture
- Create Storage account
- How to create Blob, File using Azure Portal and Power Shell
- Customizing VM Storage

✓ Working with Azure App service

- Overview of App Service
- Deployment in App Service
- Deploy and maintaining web apps
- Configuring web apps
- Monitoring web apps and Web Jobs
- Traffic Manager

✓ Working with Replication, Backup and Disaster Recovery

- Understanding on Replication
- Asynchronous vs. Synchronous Replication
- Failover with Azure
- Planning for and implementing Azure Site Recovery
- Implementing Azure Backup
- Best practices on Replication and Backup policy

✓ Working with Azure SQL Database

- Overview of SQL Database on Azure
- How to Deploy Azure SQL Database
- Implementing and managing Azure SQL Database
- Managing Azure SQL Database security
- Monitoring SQL Database in Azure
- Managing Azure SQL DB recovery
- Import and Export Data

✓ Working with Active Directory

- Overview of Active Directory
- Why need AD for Azure
- Active Directory Configuration in Azure
- Domain Controller in Azure
- AD Federated Services in Azure
- Custom domain
- Monitoring Azure Active Directory

✓ Azure Management and Automation

- Overview of Management activities on Azure
- Supporting Tools on Management
- Azure SDK
- Explain on Azure Power Shell Management
- VM and Template Management
- Azure VM agent

✓ Best Practices and Certification Tips