INFOSOFT IT SOLUTIONS

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Azure Solution Architect

Introduction to Microsoft Azure

- Introduction to cloud computing

- What is Microsoft Azure?

- Microsoft Azure Services

- Azure Portal

- Azure CLI

- Azure PowerShell

Introduction to ARM & Azure Storage

- Azure Resources & Subscriptions

- Azure Resource Manager

- Managing Azure Resources

- Azure Tags

- Azure Storage Account & its types

- Azure Blob Storage

- Azure Content Delivery Network (CDN)

- Azure Files Storage

- Azure File Sync

Introduction to Azure storage

- Azure Table Storage

- Azure Queue Storage

- Azure Storage Explorer

- Azure Shared Access Signature (SAS)

- Azure Databox

- Azure Storage Replication

- Data Replication Options

- Azure Import/Export Service

Azure Virtual Machines

- Azure Virtual Machines

- Data Disks in Azure

- Azure VMs & Interfaces

- ARM templates

- VHD templates

- Custom Images of Azure VM

- Virtual Machine Scale Sets

- Virtual Machine Availability Sets

Azure App and Container Services

- App Service Web App for Containers

- App Service plan

- Networking for an App Service

- Deployment slots

- Container image

- Azure Kubernetes Service

- Azure Container Registry

Azure Networking

- Azure Virtual Networks

- Azure Vnet Components

- IP Address – Public & Private IPs

- Azure Vnet Subnets

- Azure Network Interface Cards (NIC)

- Network Security Group (NSG)

- Route Tables

- Service Tags

- Azure DNS

- Private DNS,

Azure Networking - II

- Application Gateway

- Azure Front Door Service

- Azure Traffic Manager

- Application Security Groups

- Azure Load Balancers

- Azure Firewall

- Azure Bastion

- Network Watcher

- Azure Express Route

- Express Route Circuits
- Express Route Peering

Authentication and Authorization in Azure using RBAC

- Identity and Access Management in Azure
- Role Based Access Management (RBAC)
- Role Definitions
- Role Assignment in Azure Resources
- Azure Users & Groups
- RBAC Policies

Microsoft Azure Active Directory

- Azure Active Directory (Azure AD)
- Windows AD Vs Azure AD
- Azure AD Users
- Azure AD Groups
- Azure AD Domains
- Azure AD Tenants
- Authentication Options
- Azure AD Connect
- Self Service password Reset (SSPR)
- Multi Factor Authentication (MFA)
- Resource Locks

Azure Monitoring

- Azure Monitor
- Azure Metrics

- Log Analytics

- Alerts and actions

- Application Insights

- Backup reports

- Recovery Services Vault

- Backing Up Azure Virtual Machines

- VM Backup Policies

- Restoring Azure Virtual machines,

Multi Factor Authentication (MFA)

- MFA Fraud Alerts

- MFA Bypass Options

- MFA Trusted IPs

- MFA Verification Methods

- Azure Key Vault

- Azure AD Managed Identities

- Azure AD Application Management

Migration in Azure

- Understanding VM migration

- Azure Migrate

- Azure Site recovery

- Server Assessment

- Server Migration

Azure Data Platform - I

- NoSQL and NoSQL Database

- Cosmos DB

- Multiple APIs and Data Models

- Request Units

- Request Unit Calculator

- Achieving Elastic Scale

- Partition Key

- Cross-partition Queries

- Replication

- Turnkey Global

- Distribution

- Turnkey Global Distribution

- Replication and Consistency

- Consistency Levels

- Document Database

- Cosmos DB Resource Model

- Resource Properties, Self-links, and URLs

Azure Data Platform - II

- Data Migration Tool

- Rich Query with SQL

- SQL Operators and Functions

- Client Development

- Indexing Policies

- Users, Permissions, and Resource Tokens

- Server-side Programming Model

- Triggers

- User-defined Functions (UDFs)

- Table API

- Cosmos DB Graph Database

- Vertices and Edges

- Populating the Graph

- Bi-directional Relationships

- Writing Gremlin Queries

- Azure Table Storage