**Azure Fundamentals (AZ-900)**

**Agenda :**

1. Course Overview
2. Cloud Computing Intro
3. High Availability, Scalability, Elasticity, Agility, Fault Tolerance and Disaster recovery
4. Principles of Economies of Scale
5. What is CapEx, OpEx and Differences
6. Consumption-based Model.
7. IaaS, PaaS, SaaS Models
8. Public, Private and Hybrid Models
9. Azure Regions and Availability Zones
10. What is Resource Groups and Resource Manager
11. Intro to Azure Portal
12. 3D Tours of Azure Data Center
13. Basic Overview of **Azure Compute Services** 🡺 VM, VM Scale Set, App Service, Functions, Container Instances, Kubernetes Services
14. OSI Layers Basics
15. **Azure Networking Services** 🡺Virtual Network, Load Balancer, VPN Gateway, Application Gateway, CDN
16. **Azure Storage Services 🡺** Blob Storage,Disk, File, Archive
17. **Azure DataBase Services. 🡺** Cosmos DB, SQL Database, SQL Managed Instances
18. Azure Market Place
19. Azure BIG data and AI Services |Synapse Analytics (data Ware House HD Insight, Data Bricks
20. Azure Tools | Portal, PowerShell, CLI and Cloud Shell
21. Azure Advisor
22. Security Groups | NSG & ASG
23. User- Defined Routes
24. Azure Firewall
25. Azure DDos Protection
26. Azure Identity Services | Identity, Authentication, Authorization & Azure AD
27. Azure Security Center and Usage Scenario
28. Azure Key-Vault
29. Role Based Access Control (RBAC)
30. Resource Locks
31. Tags
32. Azure Policy
33. Azure Blueprints
34. Cloud Adoption Framework
35. Core Tenents of Security, Privacy, Compliance
36. TCO Calculator, Cost Reduction Methods and Pricing
37. Azure Cost Management
38. Azure Service Level Agreement(SLA)
39. Service Life Cycle of AZURE
40. NEXT Steps

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