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Complete Practical; Real-time Job Oriented Training

Azure Fundamentals (AZ 900)

This **Azure Fundamentals** course is applicable for everyone who wanted to learn about Cloud Concepts, Microsoft Azure Basics, Azure Components and Azure Architecture and Azure Services. Helpful for **AZ 900** Azure Fundamentals Certification Exam.

What does this course includes?

This Azure Fundamentals course with **AZ 900 Exam** guidance is planned for starters as well as for experienced professionals who wanted to learn and explore the cloud components. Also helps you a lot to prepare yourself for **AZ 900** Exam. This carefully curated job-oriented course includes below components:

Azure Fundamentals (AZ 900) Training – Components			
1	Cloud Fundamentals	10	Active Directory (AAD)
2	Cloud Computing Principles	11	Azure Storage & Data Lake (ADLS)
3	Cloud Concepts: IaaS, SaaS, PaaS	12	Azure BLOB & Azure Tables
4	Cloud Implementation Options	13	Azure Security & Key Vaults
5	Azure Subscriptions, Types	14	Azure Monitoring & Metrics
6	Azure Configurations	15	Azure Alerts & Action Groups
7	Azure Governance Rules	16	Azure Virtual Machines
8	Azure Pricing Options	17	Azure Infrastructure & Hardware
9	Azure Cloud Shell & Bash	18	AZ 900 Exam Guidance

Who can join this course ?

Anyone can join. No pre-requisites. We get great level of detailed, step by step hands-on for AZ 900 Exam as well as Job Orientation from this 100% Practical Azure Fundamentals course.

What is the mode of Training?

Azure Fundamentals (AZ 900) Training

Module 1: Azure Basics	Module 2: Azure Concepts	Module 3: Azure Implementations
<ol style="list-style-type: none">1. Analytics Cloud Basics2. Cloud Computing3. IaaS, SaaS, PaaS4. Cloud Implementations5. Azure Accounts6. Azure Subscriptions7. Azure Configurations8. Azure Governance9. Azure Pricing	<ol style="list-style-type: none">10. Active Directory11. Azure Storage12. Azure BLOB & Tables13. Azure Security14. Azure Active Directory15. Azure Key Vaults16. Azure Monitoring17. Azure Alerts18. Azure Action Groups	<ol style="list-style-type: none">19. Azure Virtual Machines20. Azure Virtual Networks21. Azure Physical Infrastructure22. Azure Migrations23. Data Migration Assistant24. On-Premise Data Migrations25. Azure Databox26. Azure Resource Manager (ARM)27. AZ 900 Exam Guidance

LIVE Online Training

On-demand Videos

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+91 9666440801
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Who is the Trainer?

Mr. Sai Phanindra Tholeti, having more than 18 Years of Real-time expertise on Microsoft Cloud, Azure, SQL Database, Business Intelligence, Power BI, Power Platform, Snowflake and more..

Having more than 15 Years of Training experience with step by step guidance and care for EVERY concept mentioned, promised in the course curriculum !

Complete Profile of the trainer available at: <https://www.linkedin.com/in/saiphanindra>

Chapter wise curriculum below For Azure Fundamentals (AZ 900) Course:

Same Curriculum for **LIVE Online Training** as well as for **Self Paced, On-demand Videos**.

Chapter 1: Cloud Introduction & Azure

What is Cloud? Benefits of Cloud? Benefits of Cloud Computing? Popular Cloud Providers; Azure Vs Amazon Vs Google Cloud; Benefits of Microsoft Azure Cloud; Cloud Environment Types & Options; SaaS, IaaS and PaaS Implementations; Cloud Computing Features; Shared Responsibility Models; Private, Public and Hybrid Cloud; Multi Cloud Implementation Model; Azure Arc Model and Virtual Machine; Consumption Based Model & OPEX;

Chapter 2: Azure Cloud Concepts

Azure Resource: Concept, Purpose; Azure Resource Types & Usage; Storage Resources, Engineering Resources; Database Resources & IoT Resources; Resource Group: Purpose &

Usage; Azure Subscriptions and Types; Billing and Access Control Boundaries; Azure Management Resource Groups; Root Management Group & Regions; Azure Fundamentals: Basic Terminology; Microsoft Azure: Cloud Benefits; Comparing SaaS, PaaS and IaaS; Azure Cloud Account Creation, Subscription;

Chapter 3: Azure Storage & Explorer Tool

Storage Components in Microsoft Azure; Azure Storage Services and Types – Uses; High Availability, Durability & Scalability; Blob: Binary Large Object Storage; General Purpose: Gen 1 & Gen 2 Versions; Blobs, File Share, Queues and Tables; Data Lake Gen 2 Operations with Azure; Azure Storage Account Creation; Azure Storage Container; Azure Data Explorer: Operations; Access URLs; Azure Storage Explorer Tool; Directory & File Operations;

Chapter 4: Azure Active Directory & Pricing

Azure Tables - Real-time Usage; Tables, Entities and Properties Concepts; Azure Tables: Creation and Data Inserts; Azure Tables in Portal - GUI and Data Types; Azure Tables: Data Imports in Explorer; Data Edits, Queries & Delete Operations; Azure Storage: Replications and DR Options; LRS: Locally Redundant Storage; GRS: Globally Redundant Storage; ZRS: Zone Redundant Storage; Replication Options; Replication Verification and Modifications; Azure Storage Endpoints, Failover Partner;

Chapter 5: Azure Monitor & Metrics

Azure Active Directory (AAD) & Security; Understanding AD Principals and Tenants; Azure Active Directory (AAD): Create Users; Azure Active Directory (AAD): Create Groups; Identity and Access Management (IAM); Owner Role, Contributor and Reader Role; ACL: Access Control Lists & Security; Azure BLOB Storage Containers & ACLs; Folder Level and File Level Security; ACL Permissions: Read, Write & Execute; Hierarchical Level Security in Azure; Access Policy: Creation and Realtime Use; Permissions: rwacdl; Azure Principals, CORS;

Chapter 6: Azure Virtual Machine (VM)

Azure Resource Manager (ARM); Azure Monitor Components, Metrics; Azure Metric Charts and Timelines; Chart Components; Azure Insights; Monitor Dashboards and Auditing; Azure Advisor Options and Service Health; Azure Alerts and Signal Logic; Conditions and Signal Value Thresholds; Evaluation Timelines & Frequency; Signal Logic Condition Frequency; Action Rules and their Usage; Notification Settings & Usage; Alert Monitoring and Verifications;

Chapter 7: Azure Virtual Machines (VM)

Azure Virtual Machines, Container Instance; Advantages of Azure Virtual Machines; Deploying Azure VMs Using Portal; VM Types and Sizing Parameters; Disk Types, CPU and Memory; Scale Sets; Network Concepts; Firewalls; Availability; RDP @ Azure VM; Azure Virtual Desktop; Availability Sets and Availability Zones; Public Endpoints & Private End Points; Application Hosting Options with VM; Web Apps Features & Azure Containers; Virtual Networking; Subnets & Masks; Peering, DNS, Gateways, Express Route;

Chapter 8: Networking Entities, Cloud Shell

Understanding Virtual Networks; VNET Masks: Realtime Use; Static and Dynamic IP Address; Subnets, Peers & Azure Express Route; IP Range Allocations & Scale Sets; Azure Active Directory Domain Services; Azure Power Shell Versus Bash; Creating Resource Groups with Shell; Creating Resources, Operations with Shell; Cloud Computing Options with Azure; Azure Implementation of Cloud Services; Azure Monitor, Metrics; Azure Metric Charts and Timelines.

Chapter 9: Azure Key Vaults & Pricing

Azure Key Vaults & ADLS [Data Lake] Security; Azure Passwords, Keys and Certificates; Azure Key Vaults - Name and Vault URI; Inbuilt Managed Key and Azure Key Vaults; Standard Type, Premium Type Key Vaults; Secret Page, Key Backups and Key Restores; Azure Pricing: Parameters; Region Level Settings, Pricing Dependency; Storage Resources: Pricing Options; Azure Subscriptions: Billing Charts; Tenants and Zero Trust Defenders; Azure Product Categories, Pricing Units; Compute Cost and Storage Cost;

Chapter 10: Azure Governance & Physical Infra

Azure Governance Concepts @ Microsoft; Azure Blueprints & Azure Policy; Azure Resource Locks, Service Trust Portal; Azure Resource Manager (ARM) Templates; Azure Physical Infrastructure Concepts; Azure Regions, Availability Zones; Zone Redundant Services, Non-Regional; Region Pairs & Geography Concepts; Azure Sovereign Regions and Usage; Azure Infrastructure Hierarchy; Cloud Computing Options with Azure; Local and Geo Options & Cost Management; Azure Product Categories, Pricing Units;

Chapter 11: Azure Migrations & Azure Databox

Azure Migrate: Key Concepts, Advantages; Azure Data Migration Assistant (DMA) Tool; On-Premise to Azure Migrations (File); On-Premise to Azure Migrations (SQL DB); Verifying Migrations: Scalability, Cautions; Azure Databox: Big Data Storage and Azure Databox: Big Data Storage; Azure Databox: Cloud Data Transfers; Data Box, Data Box Disk, and Data Box ; Using Robocopy for Data Transfers; AES Encryptions with Azure Databox; Using BLOCK BLOB, PAGE BLOB ; Using SMB and NFS Protocols;

Chapter 12: AZ 900 Certification Guidance & Exam Samples

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