



Azure Fundamental (AZ - 900) Training

About DevOpsSchool

DevOpsSchool is a unit of "Cotocus PVT Ltd" and a leading platform which helps IT organizations and professionals to learn all the emerging technologies and trend which helps them to learn and embrace all the skills, intelligence, innovation and transformation which requires to achieve the end result, quickly and efficiently. We provide over 40 specialized programs on DevOps, Cloud, Containers, Security, AI, ML and on Big data that are focused on industry requirement and each curriculum is developed and delivered by leading experts in each domain and aligned with the industry standards.

About Course

Azure DevOps has a great future. Nowadays, It is one of the fast-growing cloud platforms. Our institute design Top "Master in Azure DevOps" training and certification program for beginners and IT professionals in online mode. We also provide classroom and corporate training in top cities of India like Hyderabad, Bangalore, Chennai, Pune, Delhi, etc. Our curriculum has been determined by comprehensive research on 10000+ job descriptions across the globe and epitome of 20+ years of industry experience.

The "Master in Azure DevOps" program is structured in a way, whether you are an experienced IT professional or a college graduate, this course will help you to integrate all the real-world experience, specialization, and job-ready skills. Master in Azure DevOps course is mainly designed by IT industries expert for beginners who will offer you an in-depth understanding of numerous Azure DevOps equipment. Our Master in Microsoft Azure DevOps certification course and training program, we will cover top 3 certifications like- Azure Fundamental (AZ - 900), Azure Administrator (AZ - 104), and Azure DevOps (AZ - 400). In our Azure DevOps Training program, you can learn how to Install or Integrate open source tools in Azure like Jenkins, GitHub, Terraform, Kubernetes, Docker Etc.



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Duration	20 Hours
Mode	Online (Instructor-led, live & Interactive)
Projects (Real time scenario based)	1

FEATURES	DEVOPSSCHOOL	OTHERS
Faculty Profile Check	✓	✗
Lifetime Technical Support	✓	✗
Lifetime LMS access	✓	✗
Top 25 Tools	✓	✗
Interviews Kit	✓	✗
Training Notes	✓	✗
Step by Step Web Based Tutorials	✓	✗
Training Slides	✓	✗
Training + Additional Videos	✓	✗



Projects

In Azure Fundamental training & Certification Course a Participant will get total 100+ Lab Assignment, real-time scenario-based projects to work on, and 250+ real-time interview questions, as part of these projects, we would help our participant to have first-hand experience of the real-time scenario-based project from scratch to end. We would also help our participants to visualize a real Azure environment.

Interview

As part of this, You would be given complete interview preparations kit, set to be ready for the Azure DevOps hotseat. This kit has been crafted by 200+ years industry experience and the experiences of nearly 10000 DevOpsSchool Azure learners worldwide.



AGENDA OF THE AZURE FUNDAMENTAL (AZ - 900) TRAINING

Azure Fundamental (AZ - 900)

Describe Cloud Concepts

Identify the benefits and considerations of using cloud services

- identify the benefits of cloud computing, such as High Availability, Scalability, Elasticity, Agility, and Disaster Recovery
- identify the differences between Capital Expenditure (CapEx) and Operational Expenditure (OpEx)
- describe the consumption-based model

Describe the differences between categories of cloud services

- describe the shared responsibility model.
- describe Infrastructure-as-a-Service (IaaS)
- describe Platform-as-a-Service (PaaS)
- describe serverless computing.
- describe Software-as-a-Service (SaaS)
- identify a service type based on a use case.

Describe the differences between types of cloud computing.

- define cloud computing.
- describe Public cloud.
- describe Private cloud.
- describe Hybrid cloud.
- compare and contrast the three types of cloud computing.

Describe Core Azure Services

Describe the core Azure architectural components.

- describe the benefits and usage of Regions and Region Pairs
- describe the benefits and usage of Availability Zones.
- describe the benefits and usage of Resource Groups.
- describe the benefits and usage of Subscriptions.
- describe the benefits and usage of Management Groups.
- describe the benefits and usage of Azure Resource Manager
- explain Azure resources.

Describe core resources available in Azure

- describe the benefits and usage of Virtual Machines, Azure App Services, Azure Container Instances (ACI), Azure Kubernetes Service (AKS), and Windows Virtual Desktop
- describe the benefits and usage of Virtual Networks, VPN Gateway, Virtual Network peering, and ExpressRoute
- describe the benefits and usage of Container (Blob) Storage, Disk Storage, File Storage, and storage tiers
- describe the benefits and usage of Cosmos DB, Azure SQL Database, Azure Database for MySQL, Azure Database for PostgreSQL, and SQL Managed Instance
- describe the benefits and usage of Azure Marketplace

Describe core solutions and management tools on Azure

Describe core solutions available in Azure

- describe the benefits and usage of Internet of Things (IoT) Hub, IoT Central, and Azure Sphere
- describe the benefits and usage of Azure Synapse Analytics, HDInsight, and Azure Databricks
- describe the benefits and usage of Azure Machine Learning, Cognitive Services and Azure Bot Service
- describe the benefits and usage of serverless computing solutions that include Azure Functions and Logic Apps
- describe the benefits and usage of Azure DevOps, GitHub, GitHub Actions, and Azure DevTest Labs

Describe Azure management tools

- describe the functionality and usage of the Azure Portal, Azure PowerShell, Azure CLI, Cloud Shell, and Azure Mobile App
- describe the functionality and usage of Azure Advisor
- describe the functionality and usage of Azure Resource Manager (ARM) templates
- describe the functionality and usage of Azure Monitor
- describe the functionality and usage of Azure Service Health

Describe general security and network security features

Describe Azure security features

- describe basic features of Azure Security Center, including policy compliance, security alerts, secure score, and resource hygiene
- describe the functionality and usage of Key Vault
- describe the functionality and usage of Azure Sentinel
- describe the functionality and usage of Azure Dedicated Hosts

Describe Azure network security

- describe the concept of defense in depth
- describe the functionality and usage of Network Security Groups (NSG)
- describe the functionality and usage of Azure Firewall
- describe the functionality and usage of Azure DDoS protection

Describe identity, governance, privacy, and compliance features

Describe core Azure identity services

- explain the difference between authentication and authorization
- define Azure Active Directory
- describe the functionality and usage of Azure Active Directory
- describe the functionality and usage of Conditional Access, Multi-Factor Authentication (MFA), and Single Sign-On (SSO)

Describe Azure governance features

- describe the functionality and usage of Role-Based Access Control (RBAC)
- describe the functionality and usage of resource
- describe the functionality and usage of tags
- describe the functionality and usage of Azure Policy
- describe the functionality and usage of Azure Blueprints
- describe the Cloud Adoption Framework for Azure

Describe privacy and compliance resources

- describe the Microsoft core tenets of Security, Privacy, and Compliance
- describe the purpose of the Microsoft Privacy Statement, Product Terms site, and Data Protection Addendum (DPA)
- describe the purpose of the Trust Center
- describe the purpose of the Azure compliance documentation
- describe the purpose of Azure Sovereign Regions (Azure Government cloud services and Azure China cloud services)

Describe Azure cost management and Service Level Agreements

Describe methods for planning and managing costs

- identify factors that can affect costs (resource types, services, locations, ingress and egress traffic)
- identify factors that can reduce costs (reserved instances, reserved capacity, hybrid use benefit, spot pricing)
- describe the functionality and usage of the Pricing calculator and the Total Cost of Ownership (TCO) calculator
- describe the functionality and usage of Azure Cost Management

Describe Azure Service Level Agreements (SLAs) and service lifecycles

- describe the purpose of an Azure Service Level Agreement (SLA)
- identify actions that can impact an SLA (i.e. Availability Zones)
- describe the service lifecycle in Azure (Public Preview and General Availability)

Thank you!

Connect with us for more info

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