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Learn at a time and place, and pace that is of your choice.

Plan your study to suit your convenience and schedule.

Azure Training Course

Email Contact: info@educba.com



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Course Overview

It is an amazing collection of practical and hands-on learning of the most updated training programs and projects in the area of Cloud computing with Microsoft Azure.

You will get to learn Microsoft Azure Essentials, Azure Data Lake, Azure Data Factory, Microsoft Azure PAAS, Developing application using Azure, Migration of Websites and Databases to Azure

Azure Training Skills

We learn the following skills:

- You will learn about Azure cloud, SQL Database, Virtual Machine's.
- You will have the knowledge in getting started with Azure and build own applications environment.
- You will learn how to apply azure cloud into big data and also manage how to generate unstructured data for insights
- Learn the process of moving existing websites to Windows Azure

Course Features



Course Duration- 37 + Hours



Number of Courses



Verifiable Certificates



Lifetime Access



Technical Excellence

About Azure

Azure is a cloud computing platform paradigm and an online portal where we can access and manage store resources provided by Microsoft services.

Azure is a valuable Platform as a Service with well- defined tools. Azure can be used in Application development then you can test your application, host your application on the internet.

Azure supports a wide variety of Programming Languages like PHP, C#, Java, Node.js and very much more. Azure services contain more than 200 services.

Azure Course

This is a Bundle Course that includes complete in-depth Azure Learning Courses combined into one Complete Course.

This Bundle perfectly meets the requisite of the industry and gives you a better chance of being hired as a Azure Learning professional.

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Microsoft Azure

Section 1. Concluding

Microsoft Azure

- Traffic manager
- Select a runbook
- HD insight
- Biztalk service
- Azure hdmi
- Azure machine learning

Section 2. Migration on premise to azure cloud

- Planning how to migrate on
- Billing of azure
- Planning how to migrate on premise work load to azure cloud
- How to purchase additional subscription

Section 3. Desktop services

- Cdn,remote app,media service
- Storsimple
- Desktop services

Section 4. Local area and recovery services

- Remote desktop service azure provision
- Recovery Services
- Local area network
- SQL Database
- Reports

Section 5. Webjob

- Components & Monitoring
- Server manager - dashboard
- Creating a virtual machine
- What is a Webjob

Section 6 . Connecting azure to site network

- What is a networking
- What is a virtual network
- Virtual area network address
- Scaling facilities
- Cloud services
- Connecting azure to on site network

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Microsoft Azure

Section 7. Scalability

- Database configuration
- What is the scalability
- Creating a web application

Section 8. Implementing web site

- Adding machine to availability set
- Brief introduction to virtual machines
- How to implement web site

Section 9. Autoscaling of machine

- How to make autoscaling of machine
- Adding web and web job application to web site
- Connecting azure to on site network

Section 10. Create windows vm and linux vm in azure

- How to create windows and linux machine using portal
- Public port and private port
- What is end point
- How to create windows vm and linux vm

Section 11. Create sharepoint machine in azure

- How to create sharepoint machine in azure with image

Section 12. Azure virtual storage

- Increase and decrease in the number of machines
- Creating a network in cloud
- Subnetting
- Perform configuration management

Section 13. Azure virtual storage

- What is vm networking
- Configuring vm networking in azure
- Azure virtual storage

Section 14. Azure virtual machine

- How to access virtual machine
- Other things in virtual machine
- How to create virtual machine
- Azure virtual machine

Section 15. Azure virtual network

- DNS Servers and VPN Connectivity
- IBM cloud network
- Azure virtual network

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Microsoft Azure

Section 16. Web application service

- Web application service

Section 17. Microsoft Azure portal

- Full calculator
- App services
- Mobile services
- Azure portal and price of services

Section 18. Overview of Microsoft Azure

- Azure cloud component and use
- Disadvantage of azure cloud
- Basic of azure cloud
- what is cloud computing

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Microsoft Azure Essentials

Section 1. Introduction

- Introduction to Microsoft Azure Essentials

Section 2. Cloud Computing

- Five Principles of Cloud
- History of Cloud Computing
- Key Types of Cloud Services
- Cloud Deployment Models

Section 3. Microsoft Azure

- Why Microsoft Azure
- What is Microsoft Azure
- Microsoft Azure Architecture
- Register for free Azure Account
- Demo- Microsoft ARM Portal
- Demo - ASM Portal
- Enterprise Account
- Azure Subscriptions and Account

Section 4. Tools and Installation

- Tools for Azure
- Installing Azure Powershell
- Installing Azure CLI
- Azure CLI -Getting Started
- Azure PowerShell ASM
- Azure Powershell ARM Basics

Section 5. Azure Virtual Machines

- Azure Virtual Machines
- What is Azure VM
- Azure VM Status
- Azure VM Billing
- Azure VM sizes
- Azure VM deployment Options
- Azure VM Architecture - Classic
- Azure VM Architecture - ARM
- Azure VM Pricing Tiers

Section 6. Hands-On

- Create a Windows VM
- Create a Windows VM Continues
- Connecting to a Windows VM
- Create a Linux VM
- Connecting to a Linux VM
- Azure VM Disks
- Attaching Data Disk to a Windows VM
- Attaching Data Disk to a Linux VM

Section 7. High Availability in Azure

- High Availability in Azure
- VM Availability Sets
- Creating an Availability Set
- Joining VM into an Availability Set
- Azure Virtual Network
- Azure Network Options
- Components of Virtual Networks
- Address Spaces and Subnets
- Network Security Groups

Section 8. Azure Load Balancers and Azure Traffic Manager

- Azure Load Balancers
- Azure Hybrid Connectivity Options
- Azure Traffic Manager
- Creating a Virtual Network and Subnets
- Creating VM in a VNet and Adding NSG Rules

Section 9. Azure storage

- Azure storage
- Azure Blob Storage
- Azure Disk Storage
- Azure File Storage
- Azure Table Storage
- Azure Queue Storage
- Creating a Storage Account and Uploading a Blob

Section 10. Azure Apps

- Azure Web Apps

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Azure Data Lake Tutorials

Section 1. Introduction

- Introduction to Azure Data Lake

Section 2. Creating Analytics Account Reference

- Creating Analytics Account
- Services in Azure Data Lake
- Processing Data Lake Store
- Concept of USQL Language
- Defining Analytics Units
- Adding Filter Operation
- Stages of Job
- Brief on USQL Language
- Extracting a Row
- Schema on Read
- Aggregating the Data
- Changing the Group By

Section 3. Exploring USQL Catalog

- Ingesting Multiple Files
- Processing the Multiple Files
- Arranging the Data
- Distributing the Data
- Data from Data Lake
- Checking the Status Update
- Creating the View
- Table Valued Functions
- Script for Table Valued Functions
- Creating a Store Procedure
- Running Store Procedure
- C# Functions
- How to use Inline cSharp

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Azure Data Lake Tutorials

Section 4. Job Monitoring

- Job Comparison Tool
- Understanding Job Graph
- Executing the Job File
- Concept of Heat Map
- Vertex Execution View
- Concept of Job Efficiency
- Options in Diagnostics Tab

Section 5. Using Azure PowerShell

- Ways of Accessing Azure Data
- Creating Data Store Accounts
- Confirming Through Portal
- Creating a Directory Structure
- Uploading the Data
- Using the Powershell

Section 6. Using Azure CLI 2.0

- Commands for Azure CLI
- Data Lake Store Account
- Uploading Data with Azure CLI
- Renaming the File
- Deleting Data Lake Account
- Pricing of Azure Data Lake
- Summary on Azure Data Lake

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Azure Data Factory Tutorial

Section 1. Introduction

- Introduction to Azure Data Factory

Section 2. Getting Started

- Creating Copy Visa
- Creating Free Subscription
- Creating a Blob
- Properties of Blog
- Creating Destination

Section 3. Configuring ADF for Copying Data

- Creating ADF in Microsoft Azure
- Create Schema in SQL Azure
- Create Copy Activity in ADF
- ADF Resource Explorer in Microsoft Azure
- Creating Author Deploy Environment
- Create Pipeline and DataSets in Microsoft Azure
- Fix Errors in the Pipeline

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Azure Data Factory Tutorial

Section 4. Scheduling a Pipeline

- Scheduling the data
- Setup for ADF Scheduling
- Uploading the Files
- Creating the Pipeline
- Monitoring the Pipeline
- Understanding the Scheduling
- How Pipeline Works
- Analyzing the Pipeline
- Monitor and Manage Tool
- Failed Data Slices
- Debugging Issues in a Pipeline

Section 5. Transforming Data

- ADF Pipeline Setup
- Azure Data Lake Store
- Data Lake Analytics
- Brief on the Dataset Used
- Azure Data Lake Pipeline
- Creating Data Sets
- Creating Pipelines
- Analyzing Missing Inputs

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Microsoft Azure PAAS Overview

Section 1. Introduction

- Introduction to Microsoft Azure PAAS Training

Section 2. Web Apps

- About Azure Services and Webapp
- Web App Attributes
- Webapp Deployment through Visual Studio

Section 3. Mobile apps

- Introduction to Mobile App
- Mobile App Provisioning
- Mobile App Deployment

Section 4. Azure Storage

- Azure Storage

Section 5. Azure SQL & conclusion

- Azure SQL Database

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Developing Your Applications on Azure

Section 1. Introduction

- Introduction to Developing Applications on Azure

Section 2. Webapps Deployment

- Component of Web Applicant in Azure
- APP Service FTP Deployment
- Creating App Services in Azure

Section 3. Authentication using Azure Active Directory (AAD)

- How to use Azure Active Directory
- Creating New user in Azure Active Directory
- Creating Azure AD App

Section 4. Working with Azure Web Jobs

- Web Jobs in Azure
- Example of Azure Web Jobs
- Creating Access Web Jobs
- More on Web Jobs
- Creating Index of Web Jobs Deployment
- Deploying Webjobs Application on Cloud
- Creating Database for Images
- Creating Connection String for Images
- Webjobs Working Output

Section 5. Azure SQL and Azure Blobs

- Azure SQL Database
- Azure Blobs
- Azure Blobs Example

Section 6. Azure Tables & Conclusion

- Azure Table
- Example of Azure Table
- Conclusion on Azure

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Developing Your Applications on Azure

Section 1. Introduction

- Introduction to Migration of Websites and Databases to Azure

Section 2. Simple Web Application Migration to Azure

- Moving Local Web App
- Learning Website Migration Tool
- Azure App Migration Assistant

Section 3. Migration of SQL Server Database to Azure SQL

- MS SQL Database to Azure SQL Database
- Configuring Performance in Azure SQL
- Connecting to Azure SQL Server

Section 4. .Net Based Application

- Migrating Web applications to Azure
- Migrating dot net based application
- Connecting to Azure database
- Migration readiness report

Section 5. SQL Script and MVC application

- Adding Entry in publish file
- MVC Application to Azure Webapp
- Assessment of database
- Generating sql Script
- Migration of local MVC application
- Content and database migration
- Testing the configuration

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Developing Your Applications on Azure

Section 1. Net Based Application

- Migrating Web applications to Azure
- Migrating dot net based application
- Connecting to Azure database
- Migration readiness report

Section 2. SQL Script and MVC application

- Adding Entry in publish file
- MVC Application to Azure Webapp
- Assessment of database
- Generating sql Script
- Migration of local MVC application
- Content and database migration
- Testing the configuration



Frequently Asked Questions

What about the migration of companies to Microsoft Azure?

Companies are adopting Azure due to efficient handling of big data and a good hybrid approach and secured security.

How this Azure certification beats the competition in the market?

Hiring companies will notice the certification you gained from the source, having right cloud computing skills, knowledge, training, and expertise for the job.

What are the learning outcomes in Azure training certification?

The learning outcomes give you real-world example applications to work with. You will profitable by in-depth knowledge of Azure.



Customer Reviews

“

This is really good and it covers all the details that a developer needs to know before he start using Azure for development. It is very detail oriented introductory course. I would like to try other courses on Azure and some data science courses too. I am really happy to have a life time subscription to EDUCBA.com site

Narayana Reddy Talakola

”

Microsoft Azure is one of the most widely used web services. This program helped me learn the basics of Microsoft Azure. The presentation was pretty decent. As a course though it was very good. Thank you.

R RAVI KIRAN



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For Queries please contact:

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