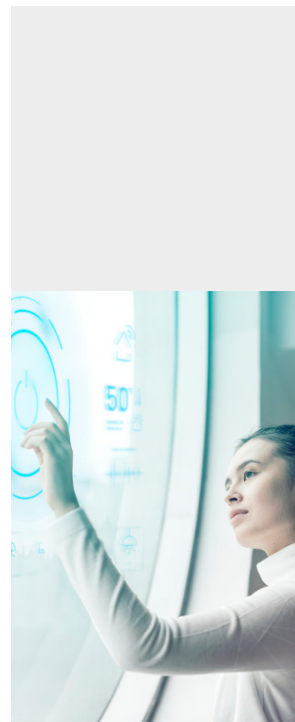APP

EXAM DP-100: DESIGN & IMPLEMENT DATA SCIENCE SOLUTION ON AZURE

Course Level:
Beginner

Course Duration:
3 Days

Course Overview:

The Microsoft Azure DP-100 training course from CloudThat is designed to train candidates who plan to take up the Microsoft DP-100 certification exam. Taking this course and passing the Microsoft DP-100 exam will meet all the requirements needed to become a Certified Microsoft Azure Data Scientist Associate.

Candidates taking up this DP-100 certification course learn how to plan and create a suitable working environment for data science workloads on Azure. This Azure Data Scientist training also teaches candidates how to manage, optimize and deploy machine learning models into production and how to train predictive models and run data experiments.

Prerequisites

- Candidates typically have background in mathematics, statistics and computer science

- Basic knowledge of Cloud platform: Azure

- Basic understanding of Machine Learning

- IT industry work experience or those pursuing a degree in the IT field

- Strong learning acumen

Objectives

- To understand and build AI solutions on Azure

- To learn about various Azure Machine Learning services usage & integration

- To understand the profound impacts Machine Learning is making in smart business decisions

Do you want to make a career as an Azure Data Scientist Associate? Start your certification journey with DP-100 certification training from CloudThat. Grab upto 30% discount on all Microsoft certification courses.

Enroll Today!

Course Outline

Module 1: Introduction to Azure Machine Learning

Lessons

- Getting Started with Azure Machine Learning
- Azure Machine Learning Tools

Hands-On

- Creating an Azure Machine Learning Workspace
- Working with Azure Machine Learning Tools

Module 2: No-Code Machine Learning with Designers

Lessons

- Training Models with Designer
- Publishing Models with Designer

Hands-On

- Creating a Training Pipeline with the Azure ML Designer
- Deploying a Service with the Azure ML Designer

Module 3: Running Experiments and Training Models

Lessons

- Introduction to Experiments
- Training and Registering Models

Hands-On

- Running Experiments
- Training and Registering Models

Module 4: Working with Data

Lessons

- Working with Datastores
- Working with Datasets

Hands-On

- Working with Datastores
- Working with Datasets

Module 5: Compute Contexts

Lessons

- Working with Environments
- Working with Compute Targets

Hands-On

- Working with Environments
- Working with Compute Targets

Module 6: Orchestrating Operations with Pipelines

Lessons

- Introduction to Pipelines
- Publishing and Running Pipelines

Hands-On

- Creating a Pipeline
- Publishing a Pipeline

Module 7: Deploying and Consuming Models

Lessons

- Real-time Inferencing
- Batch Inferencing

Hands-On

- Creating a Real-time Inferencing Service
- Creating a Batch Inferencing Service

Module 8: Training Optimal Models

Lessons

- Hyperparameter Tuning
- Automated Machine Learning

Hands-On

- Tuning Hyperparameters
- Using Automated Machine Learning

Module 9: Interpreting Models

Lessons

- Introduction to Model Interpretation using Model Explainers

Hands-On

- Reviewing Automated Machine Learning Explanations
- Interpreting Models

Module 10: Monitoring Models

Lessons

- Monitoring Models with Application Insights
- Monitoring Data Drift

Hands-On

- Monitoring a Model with Application Insights
- Monitoring Data Drift

Who should attend this course?

Candidates serving as part of a multi-disciplinary team that incorporates ethical, privacy, and governance considerations into the solution.

About CloudThat

CloudThat is the first company in India to offer Cloud Training & Consulting services for mid-market & enterprise clients from across the globe. Since our inception in 2012, we have trained over 500K IT professionals from fortune 500 companies on technologies such as Microsoft Azure, Amazon Web Services, VMware, Artificial Intelligence, Machine Learning, Google Cloud, IoT, Dynamics 365, Power Platform, Power BI, HPE AI, DevOps, Big Data, Kubernetes, Terraform and more.

With expertise in all the major Cloud platforms, CloudThat is a proud Microsoft Gold Partner, AWS Authorized Training Partner, VMware Authorized Training Reseller, Google Cloud Platform Partner and HPE Learning Partner. Through sheer dedication and commitment towards customer excellence, we have been the winner of the Microsoft Asia Superstar Campaign for India – 2021 as well as recognized as the winner of Microsoft Learning Partner of the Year 2021 Finalist award. Recently, we have been recognized as the Microsoft 2022 Partner of the Year Finalist - Learning Award.

Our Success Track

11+ Years of Experience	**100+** Corporates served	**28+** countries catered
650K+ Professionals trained	**300+** Projects delivered	**500+** Cloud certifications

To know more about our VMware certification training, email at **sales@cloudthat.com** or call us at **+918880002200.**