

Operationalize Cloud Analytics Solutions with Microsoft Azure (MS-55224-2)

Modality: Virtual Classroom

Duration: 2 Days

About this course

MS-55224-2 is designed to be completed within two days. This azure training course can be undertaken by data professionals wishing to increase their knowledge regarding the development of big data analytics solutions with the use of Microsoft Azure PowerShell and Microsoft Azure Portal. This azure course information may be used by the used on its own or combined with the information from MS-55224-1, Microsoft Azure Big Data Analytics, with the objective of preparing for Microsoft 70-475 Designing Big Data batch, interactive & real-time solutions exam.

On average, a Big Data Analytics having Microsoft Azure skills can earn up to **\$135,000/-** annually.

Course Objective:

Once the course is complete, the student will gain the capability to:

- Understand the process of developing a Data Factory
- Arrange data processing activities in a workflow that is driven by data
- Monitor, assess and Manage the workings of a Data Factory
- Transfer, Alter or Evaluate data
- Develop a strategy for implementing end-to-end solutions using Microsoft Azure PowerShell or Microsoft Azure Portal

Audience:

These azure classes can be undertaken by experience data professionals who have prior experience in designing and developing solutions for big data analytics on Microsoft Azure, and will be working on this further.

Prerequisite:

Prior to attending this course, students should have experience in or knowledge of:

- Querying and Processing bulk data

- Analyzing historical and real-time data
- SQL usage along with visualization tools and data analysis tools (e.g. Power BI)
- PowerShell (Note: A basic PowerShell tutorial can be accessed from MS-55224-1.)

Suggested prerequisites courses:

- Analyzing Data with Microsoft Power BI (MS-20778)
- Microsoft Azure Big Data Analytics Solutions (MS-55224-1)

Course Outline:

Module 1: Operationalize end-to-end cloud analytics solutions

This module explains how to Azure Data Factory to centrally manage data from different sources.

Lessons

- Create a data factory
- Create a data-driven workflow
- Monitor and manage the data factory
- Move, Transform and Analyze Data
- Design a deployment strategy for an end-to-end solution
- Review

Lab : Operationalize end-to-end cloud analytics solutions

- Create a data factory
- Create a data-driven workflow
- Monitor and manage the data factory
- Move, Transform and Analyze Data
- Design a deployment strategy for an end-to-end solution

After completing this module, students will be able to:

- Create, Manage & Monitor a data factory
- Create a data driven workflow
- Move, Transform and Analyze Data
- Create a deployment strategy using the Azure Portal or PowerShell

Module 2: Appendix B: PowerShell for Technology Professionals (Optional)

This module explains how to use PowerShell to administer computer, network, application and Azure resources.

Lessons

- Introduction
- Compared to Other Scripting Languages
- Configuring and Using PowerShell
- Creating and Running Scripts
- Administering Local Resources
- Administering Network Resources
- Resolve PowerShell Scripting Problems.

Lab : Lab B: Operationalize end-to-end cloud analytics solutions

- Use PowerShell to get Computer Information
- Use PowerShell documentation to understand and use cmdlets
- Create and execute scripts
- Configure and test Remote Management
- Create and Azure VM with Azure PowerShell

After completing this module, students will be able to use PowerShell to:

- Use PowerShell to get Computer Information
- Use PowerShell documentation to understand and use cmdlets
- Create and execute scripts
- Configure and test Remote Management
- Create and Azure VM with Azure PowerShell

Additional Reading

To help you prepare for this class, review the following resources:

- 55224-1A - Microsoft Azure Big Data Analytics Solutions