

# Microsoft Azure Services, Part 5 of 9: Big Data

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**Meet the expert:** Varma has over 14 years of experience in defining the integrated process, application, data & cloud architectures for both corporate & large scale multi-million business transformation programs and has worked extensively in defining strategy for migration of on-premise applications into AWS & Azure Cloud IaaS, PaaS, SaaS platforms. He is a TOGAF certified enterprise architect, PRINCE2 practitioner, and hold several certifications in SAP and cloud space.

**Prerequisites:** Basic understanding of Azure and an Azure account. Technical IT experience is not required however some general IT knowledge or experience would be beneficial.

**Runtime:** 02:08:00

**Course description:** The AZ-900 Microsoft Azure Fundamentals Exam is intended for candidates with non-technical backgrounds or who have some involvement with cloud based solutions and services. This course covers the Azure Big Data Solution as well as Data Bricks and Power BI

## Course outline:

### Azure Big Data Solution

- Introduction
- Azure big data solution building blocks
- Data Lake Store
- Demo: Create a data lake store continued
- Demo: Ingest data into Data Lake store using Data
- Summary

### HD Insight

- Introduction
- Introduction to Azure HDInsight
- Demo: Process the data in blob storage using Azur
- Summary

### Azure Data Bricks

- Introduction
- Introduction of Azure Data Bricks
- Demo: Create Data bricks workspace and Spark clus
- Demo: Extract and transform the data using Spark
- Demo: Load the data into SQL Data Warehouse
- Summary

### Power BI

- Introduction
- Introduction to Power BI
- Demo: Visualize the data using Power BI
- Introduction to Azure data explorer
- Demo: Create data explorer and query data
- Summary

### Azure Data Catalog

- Introduction
- Azure data catalog
- Demo: Create data catalog and register data assets
- Summary