

# **Developing Big Data Solutions with Azure Machine Learning**

**Modality: On Demand**

**Duration: 16 Hours**

## **About this course:**

To predicting the future, the past can often be the way. Big data from historical sources is a significant resource for identifying patterns and building the models of machine learning that apply the patterns of statistics and predict future results.

Azure Machine Learning introduces in this course, and discover considerations and techniques for using it to make models from the sources of big data and to integrate predictive insights into the processing work processes of big data.

The normal pay for an Architect of Azure Cloud Data with MS Machine Learning is \$173,791 every year.

## **Course Objective:**

- Make prescient web services with Azure Machine Learning
- Work with the sources of big data in Azure Machine Learning
- Integrate Azure Machine Learning into batch processing pipelines of big data
- Integrate Azure Machine Learning into real-time processing solutions of big data

## **Audience:**

This course is proposed for;

Cloud Architect

Big Data Analyst

## **Prerequisites:**

- Building information processing pipelines with the Data Factory of Azure
- Building the solutions for real-time data processing with Azure Stream Analytics

## **Suggested prerequisites courses:**

Handling Big Data with Hadoop in Azure HDInsight

## **Course Outline:**

### **Introduction to Azure Machine Learning**

- Getting Started with Azure Machine Learning Studio
- Working With Big Data Sources
- Lab: Getting Started with Azure Machine Learning
- Module Review

## **Building Predictive Models with Azure Machine Learning**

- Introduction to Machine Learning
- Clustering and Recommenders
- Lab: Building Predictive Models
- Module Review

## **Operationalizing Machine Learning Models**

- Predictive Experiments and Web Services
- Working with Web Services
- Lab: Publishing Predictive Web Services
- Module Review

## **Using Azure Machine Learning in Big Data Solutions**

- Using Azure Machine Learning in Batch Processes
- Using Azure Machine Learning in Streaming Processes
- Lab: Building Predictive Big Data Solutions
- Module Review

## **Final Exam**

- Final Exam?