# Hive Project to build a data warehouse for e-Commerce

In this project, we will learn how to build a complete end-to-end data warehouse for an e-commerce application to perform Apache Hive
analytics on various datasets using big data tools like Apache Sqoop, Apache Spark, and HDFS. In order to achieve this task, we utilize the various services provided by AWS. For this hive project, we will delve further into some of the analytical features of the Hive.

Duration : 1 month          Language : english          Price : 15000

## What you will learn?
- Real Time Projects
- Hive Project to build a data warehouse for e-Commerce
- Understanding various services provided by AWS
- Creating an AWS EC2 instance
- Moving the data from MySQL to HDFS
- Data ingestions using Sqoop, Spark and Hive
- Understanding different analytical functions in Hive

## Features
- Do Everything In Industry Grade Lab
- Learn As Per Your Timeline
- Hands-On Industry Real-Time Projects.
- Self Paced Learning
- Dashboard Access

## Requirements
- System with minimum i3 processor or better
- At least 4 GB of RAM
- Working internet connection
- Dedication to learn

# Course Curriculum

**Welcome to the Course**
- Course Overview
- Dashboard Introduction

**Project :- Hive Project to build a data warehouse for e-Commerce**

- Introduction of Instructor

- Project Overview

- End Notes

- Problem Description

- Understand the application scope

- Tour to an existing solution

- End Notes

- Big Data

- Data warehouse

- MySQL

- Apache Hive

- Apache Sqoop

- Apache Spark

- End Notes

- Solution Description

- Tour of the architecture diagram

- Cost Involved

- End Notes

- Launch of AWS EC2 Instance

- Docker Image creation

- Environment Setup Steps in detail

- MySQL table creation

- Data ingestion: MySQL to HDFS via Apache Sqoop

- HDFS to Hive Data transfer and integration into Apache Spark

- Extraction of customer demographics info

- Parquet file storage and its usage

- Transfer of parquet file from Spark to Hive

- Perform Hive analytics on sales and customer data

- Code Files and End Notes

- Conclude the project

- Assignments & External Resources