

Hortonworks Certified Developer (HDPCD Exam) – Training Program

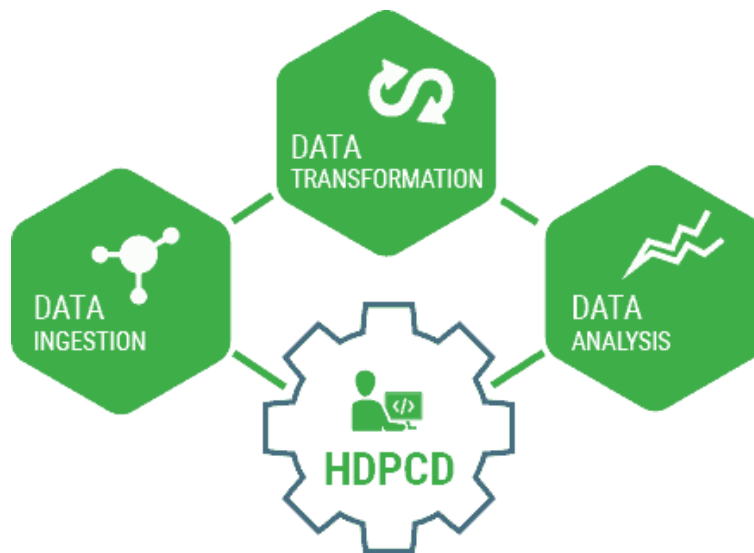


Having this badge on your resume can be your chance of standing out from the crowd. The HDP Certified Developer (HDPCD) exam is designed for Hadoop developers working with frameworks like Pig, Hive, Sqoop and Flume. Experts have predicted the shortage of certified analytical skill workers over next few years.

Our Training Program is specifically targeted to those who are currently working and/or know the required Hadoop Frameworks. This 25 hours of training will help you master the required modules of HDPCD Certification and our practice exams will give you a hands-on experience on what to expect in exam.

HDPCD Exam Objectives

HDPCD Exams have majorly 3 categories



Data Ingestion

A) SQOOP

- Import data from a table in a relational database into HDFS

SQOOP-IMPORT

- Import the results of a query from a relational database into HDFS

FREE-FORM QUERY IMPORTS

- Import a table from a relational database into a new or existing Hive table

IMPORTING DATA INTO HIVE

- Insert or update data from HDFS into a table in a relational database

SQOOP-EXPORT

B) FLUME

- Given a Flume configuration file, start a Flume agent FLUME AGENT

- Given a configured sink and source, configure a Flume memory channel with a specified capacity MEMORY CHANNEL

Data Transformation

- Write and execute a Pig script
- Load data into a Pig relation without a schema
- Load data into a Pig relation with a schema
- Load data from a Hive table into a Pig relation
- Use Pig to transform data into a specified format
- Transform data to match a given Hive schema
- Group the data of one or more Pig relations
- Use Pig to remove records with null values from a relation

- Store the data from a Pig relation into a folder in HDFS
- Store the data from a Pig relation into a Hive table
- Sort the output of a Pig relation
- Remove the duplicate tuples of a Pig relation
- Specify the number of reduce tasks for a Pig MapReduce job
- Join two datasets using Pig
- Perform a replicated join using Pig
- Run a Pig job using Tez
- Within a Pig script, register a JAR file of User Defined Functions
- Within a Pig script, define an alias for a User Defined Function
- Within a Pig script, invoke a User Defined Function

Data Analysis

- Write and execute a Hive query Define a Hive-managed table
- Define a Hive external table
- Define a partitioned Hive table
- Define a bucketed Hive table
- Define a Hive table from a select query

- Define a Hive table that uses the ORC File format
- Create a new ORC File table from the data in an existing non-ORC File Hive table
- Specify the storage format of a Hive table
- Specify the delimiter of a Hive table
- Load data into a Hive table from a local directory
- Load data into a Hive table from an HDFS directory
- Load data into a Hive table as the result of a query
- Load a compressed data file into a Hive table
- Update a row in a Hive table
- Delete a row from a Hive table
- Insert a new row into a Hive table
- Join two Hive tables
- Run a Hive query using Tez
- Run a Hive query using vectorization
- Output the execution plan for a Hive query
- Use a subquery within a Hive query

- Output data from a Hive query that is totally ordered across multiple reducers
- Set a Hadoop or Hive configuration property from within a Hive query

Training Pattern

- First 25 hours will be invested in training of the exam objectives with hands-on practicals.
- Trainer itself is a HDPCD Certified Working Professional.
- This training is based on Exam objectives as mentioned in Hortonworks Exam Objectives.
- This training is divided in 3 major topics with the Hadoop ecosystem tools mentioned below :
 - 1) Data Ingestion – SQOOP, Flume
 - 2) Data Transformation – Pig
 - 3) Data Analysis - Hive
- Complete Hands on will be provided for one Practice Exam which is similar to Real Exam

Contact

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