HDP Certified Java Developer (HDPCD:Java)

Certification Overview
Hortonworks has redesigned its certification program to create an industry-recognized certification where individuals prove their Hadoop knowledge by performing actual hands-on tasks on a Hortonworks Data Platform (HDP) cluster, as opposed to answering multiple-choice questions. The HDP Certified Java Developer (HDPCD:Java) exam is designed for Hadoop developers who write Java MapReduce applications.

Purpose of the Exam
The purpose of this exam is to provide organizations that use Hadoop with a means of identifying suitably qualified staff to develop custom Hadoop MapReduce applications in Java for the Hortonworks Data Platform (HDP).

Exam Description
This exam consists of tasks associated with writing Java MapReduce jobs, including the development and configuring of combiners, partitions, custom keys, custom sorting, and the joining of datasets. The exam is based on the Hortonworks Data Platform 2.2 and candidates are provided with an Eclipse environment that is pre-configured and ready for the writing of Java classes.

Exam Objectives
View the complete list of objectives below, which includes links to the corresponding documentation and/or other resources.

Language
The exam is delivered in English.

Take the Exam Anytime, Anywhere
The HDPCD:Java exam is available from any computer, anywhere, at any time. All you need is a webcam and a good Internet connection.

How to Register
Candidates need to create an account at www.examslocal.com. Once you are registered and logged in, select "Schedule an Exam", and then enter "Hortonworks" in the "Search Here" field to locate and select the HDP Certified Developer:Java exam. The cost of the exam is $250 USD.

Duration
2 hours

Description of the Minimally Qualified Candidate
The Minimally Qualified Candidate (MQC) for this certification has hands-on experience write Java MapReduce applications for Hadoop and can perform the objectives of the HDPCD:Java exam.

Prerequisites
Candidates for the HDPCD:Java exam should be able to perform each of the tasks in the list of exam objectives below. Candidates are also encouraged to attempt the practice exam. Visit http://hortonworks.com/training/class/hdp-certified-java-developer-exam/ for more details.

Hortonworks University
Hortonworks University is your expert source for Apache Hadoop training and certification. Public and private on-site courses are available for developers, administrators, data analysts and other IT professionals involved in implementing big data solutions. Classes combine presentation material with industry-leading hands-on labs that fully prepare students for real-world Hadoop scenarios.

HDP Certified Java Developer (HDPCD:Java) Exam Objectives

Candidates for the HDPCD:Java exam should be able to perform each of the tasks below:

Task	Resource(s)
Write a Hadoop MapReduce application in Java	http://hadoop.apache.org/docs/r2.6.0/hadoop-mapreduce-client/hadoop-mapreduce-client-core/MapReduceTutorial.html
Run a Java MapReduce application on a Hadoop cluster	http://hadoop.apache.org/docs/r2.6.0/hadoop-yarn/hadoop-yarn-site/YarnCommands.html#jar
Write and configure a Combiner for a MapReduce job	https://developer.yahoo.com/hadoop/tutorial/module4.html#functionality
Write and configure a custom Partitioner for a MapReduce job	https://developer.yahoo.com/hadoop/tutorial/module5.html#partitioning
Sort the output of a MapReduce job	http://hadoop.apache.org/docs/r2.6.0/api/org/apache/hadoop/mapreduce/Job.html #setGroupingComparatorClass(java.lang.Class)
Write and configure a custom key class for a MapReduce job	http://hadoop.apache.org/docs/r2.6.0/api/org/apache/hadoop/io/WritableComparable.html
Configure the input and output formats of a MapReduce job	http://hadoop.apache.org/docs/r2.6.0/hadoop-mapreduce-client/hadoop-mapreduce-client-core/MapReduceTutorial.html#Job_Input
Use a LocalResource instance to distribute files and resources for a MapReduce job	http://hadoop.apache.org/docs/r2.6.0/api/org/apache/hadoop/yarn/api/records/LocalResource.html
Perform a join of two or more datasets	Many online examples and resources
Perform a map-side join of two datasets	Many online examples and resources