Databricks Developer for Apache Spark - Scala

Databricks Apache Spark Developer Associate Certification Questions & Answers

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DEVELOPER FOR APACHE SPARK - SCALA

Databricks Certified Associate Developer for Apache Spark
60 Questions Exam – 70% Cut Score – Duration of 120 minutes

Table of Contents:

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Databricks Developer for Apache Spark - Scala Apache Spark Developer Associate Certification Details:

Exam Name	Databricks Certified Associate Developer for Apache Spark
Exam Code	Developer for Apache Spark - Scala
Exam Price	$200 (USD)
Duration	120 mins
Number of Questions	60
Passing Score	70%
Schedule Exam	**Kryterion Webassesor**
Sample Questions	**Databricks Developer for Apache Spark - Scala Sample Questions**
Practice Exam	**Databricks Developer for Apache Spark - Scala Certification Practice Exam**

Databricks Developer for Apache Spark - Scala Syllabus:

Topic	Weights
Apache Spark Architecture Concepts	17%
Apache Spark Architecture Applications	11%
Apache Spark DataFrame API Applications	72%

Broaden Your Knowledge with Databricks Developer for Apache Spark - Scala Sample Questions:

Question: 1

Which of the following statements about the Spark driver is incorrect?

a) The Spark driver is horizontally scaled to increase overall processing throughput.
b) The Spark driver contains the SparkContext object.
c) The Spark driver is responsible for scheduling the execution of data by various worker nodes in cluster mode.
d) The Spark driver is the node in which the Spark application's main method runs to coordinate the Spark application.
e) The Spark driver should be as close as possible to worker nodes for optimal performance.

Answer: a

Question: 2

Your application on production is crashing lately and your application gets stuck at the same level every time you restart the spark job . You know that it is the toLocalIterator function is causing the problem.

What are the possible solutions to this problem?

a) There is nothing to worry, application crashes are expected and will not affect your application at all.
b) Use collect function instead of to localIterator
c) Reduce the memory of the driver
d) Reduce the size of your partitions if possible.

Answer: d

Question: 3

How to make sure that dataframe df has 12 partitions given that df has 4 partitions?

a) df.setPartitition(12)
b) df.repartition(12)
c) df.repartition()
d) df.setPartitition()

Answer: b

Question: 4

What command can we use to get the number of partition of a dataframe name df?

a) df.rdd.getPartitionSize()
b) df.rdd.getNumPartitions()
c) df.getNumPartitions()
d) df.getPartitionSize()

Answer: b

Question: 5

If spark is running in cluster mode, which of the following statements about nodes is incorrect?

a) Each executor is running in a JVM inside of a worker node
b) There might be more executors than total number of nodes
c) There is at least one worker node in the cluster
d) There is one single worker node that contains the Spark driver and the executors
e) The spark driver runs in its own non-worker node without any executors

Answer: e

Question: 6

Which of the following three operations are classified as a wide transformation? (Choose 3 answers)

a) drop()
b) repartition()
c) filter()
d) flatMap()
e) orderBy()
f) selectDistinct()

Answer: b, e, f

Question: 7

Which of the followings is NOT a useful use cases of spark?

a) Performing ad hoc or interactive queries to explore and visualize data sets
b) Building, training, and evaluating machine learning models using MLlib
c) Analyzing graph data sets and social networks
d) Processing in parallel small data sets distributed across a cluster

Answer: d

Question: 8

At which stage do the first set of optimizations take place?

a) Physical Planning
b) Code Generation
c) Logical Optimization
d) Analysis

Answer: c

Question: 9

At which stage Catalyst optimizer generates one or more physical plans?

a) Code Generation
b) Logical Optimization
c) Physical Planning
d) Analysis

Answer: c

Question: 10

Spark dynamically handles skew in sort-merge join by splitting (and replicating if needed) skewed partitions. Which property needs to be enabled to achieve this?

a) spark.sql.adaptive.skewJoin.enabled
b) spark.sql.skewJoin.enabled
c) spark.sql.adaptive.skewJoin.enable
d) spark.sql.adaptive.optimeze.skewJoin

Answer: a

Avail the Study Guide to Pass Databricks Developer for Apache Spark - Scala Apache Spark Developer Associate Exam:

- Find out about the Developer for Apache Spark - Scala syllabus topics. Visiting the official site offers an idea about the exam structure and other important study resources. Going through the syllabus topics help to plan the exam in an organized manner.
- Once you are done exploring the **Databricks Developer for Apache Spark - Scala syllabus**, it is time to plan for studying and covering the syllabus topics from the core. Chalk out the best plan for yourself to cover each part of the syllabus in a hassle-free manner.
- A study schedule helps you to stay calm throughout your exam preparation. It should contain your materials and thoughts like study hours, number of topics for daily studying mentioned on it. The best bet to clear the exam is to follow your schedule rigorously.
- The candidate should not miss out on the scope to learn from the **Apache Spark Developer Associate training.** Joining the Databricks provided training for this Databricks certification exam helps a candidate to strengthen his practical knowledge base from the certification.
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Career Benefits:

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