

Review: SPARK - TUTORIAL (3)

Respondent

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03:54

Time to complete

0/32

Points

 **Needs review**

Score / 3 pts

Needs review

1. What is Spark?

Apache Spark is an open-source cluster computing framework. It is a processing engine used for big-data analytics which involves real-time processing.

 **Needs review**

Score / 3 pts

Needs review

2. What are the most important features of Spark?

High-speed bound in-memory computations
Supports multiple APIs (JAVA, SCALA, PYTHON, R)
Inbuilt Machine Learning Library
Less number of lines of code.
Inbuilt optimization techniques.
Lazy evaluations.

 **Needs review**

Score / 3 pts

Needs review

3. What is SC?

Spark Context is in a Driver code which gets initiated whenever the actions would be submitted.
It monitors the tasks to be executed.

Needs review

Score / 3 pts

Needs review

4. What's RDD?

RDD stands for Resilient Distributed Dataset. It is the basic operational element for which partitions would be made and distributed across the clusters. RDD runs in parallel to support transformations and actions. RDD is immutable.

Needs review

Score / 3 pts

Needs review

5. What is immutability?

Immutability means it cannot be changed once it is created.

Needs review

Score / 3 pts

Needs review

6. What is the most commonly used programming language used in Spark?

SCALA

Needs review

Score / 3 pts

Needs review

7. What is the function of SparkCore?

It is the main engine in Spark which controls everything. It takes care of all Processing happen in Spark.

Needs review

Score / 3 pts

Needs review

8. What are the responsibilities of the Spark engine?

It is responsible for not only establishing the data across the clusters but also the distribution and monitoring of datasets across the clusters.

Needs review

Score / 3 pts

Needs review

9. What is spark executor?

spark executor is the daemon that is responsible for executing the tasks.

Needs review

Score / 5 pts

Needs review

10. Compare MapReduce with SPARK.

Refer to our notes