



- 1. Apache Spark Professional Training with Hands On Lab Sessions
- 2. Oreilly Databricks Apache Spark Developer Certification Simulator

SPARK STREAMING PART-1 ON THE FLY DATA PROCESSING ENGINE

By www.HadoopExam.com

Note: These instructions should be used with the HadoopExam Apache Spark: Professional Trainings.

Where it is executed and you can do hands on with trainer.

1. Hadoop Training

2. Spark Training

3. HBase Training

4. MapR Developer

5. MapR HBase

CCA500 Certification

7. Spark Certification Send of the Offer Prices

8. EMC Data Science

<u>Hadoop Specialization offer = = 50% + 35% off</u>

ladoop Expert

© End of the Offer Prices

52000INR == 16900INR Only \$1150 == \$373 Only

Hadoop Specialization offer

Limited Time Offer (Less Than 5 Days Remain

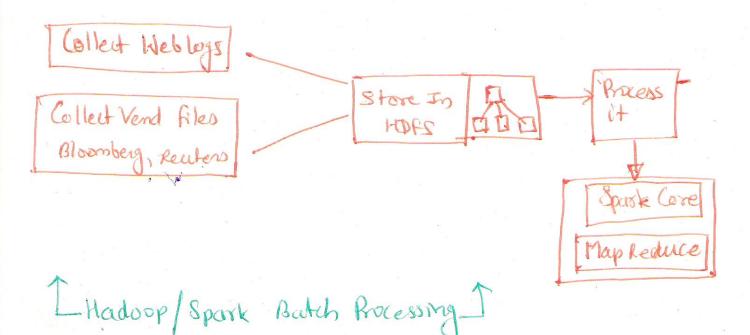


Cloudera CCA175 (Hadoop and Spark Developer Hands-on Certification available with total 75 solved problem scenarios. Click for More Detail)

- 1. Real/Near real time data processing
- 2. Streaming Sources and Sinks
- DStream (Discretized Stream)
- 4. Dtream Concepts
- 5. Stock Visualization Example (How Streaming Helpful)

Apache Spark Streaming

=> Hadoop framework is best suited for Butch processing.



On the fly Data Processing:

As soon as data ansives (Red-time: As soon as data generated), process it

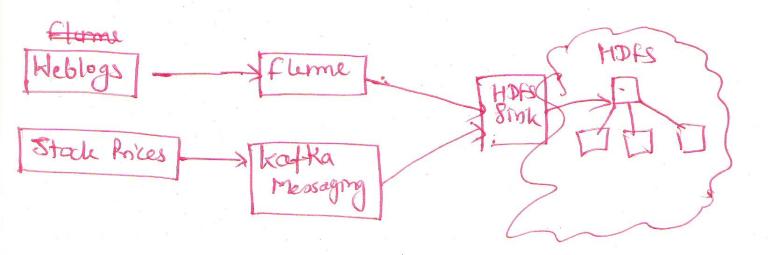
Near Real-time: - Process in time interval e.g. every 5 minutes

=> Spark streaming provides or help to poo not only

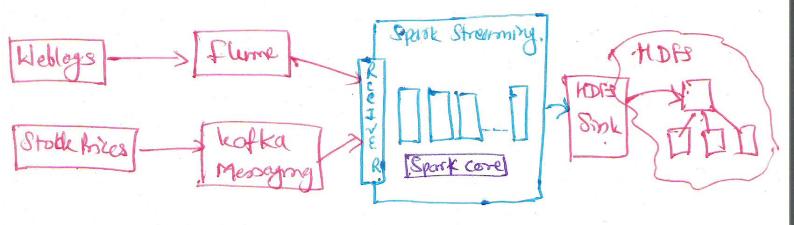
Storing data on the fly, bout also they can process
it.

WWW. Hadoop Exam-com

Real-time Data Collection: -



Real time data processing



Spack Streaming: - Processing live streaming of date.

Example Application

- 1) Fraud Detection
- @ Sensors Malfunchioning
- @ Sentiment Analysis
- 4 Website Analytics.

WWW. HADOOP Exam. Wom

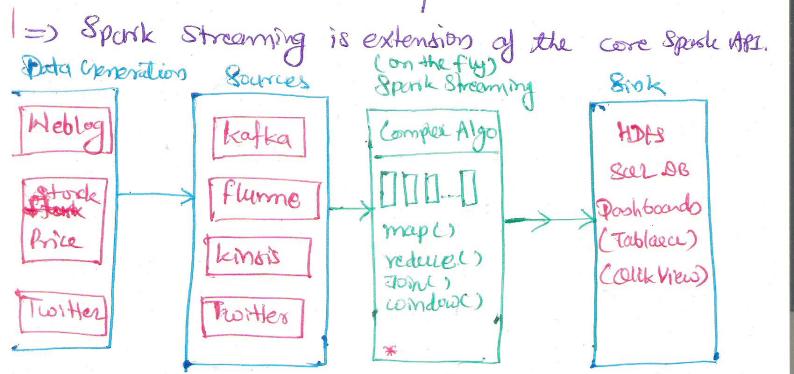
Dota Sources & Sinks: -

Sources: -

- 1 Apriche flume
- 2 kafka
- 3 Amazon kinsis
- (4) Coussandra (Nosal)
- 1 Twitter

Sinks

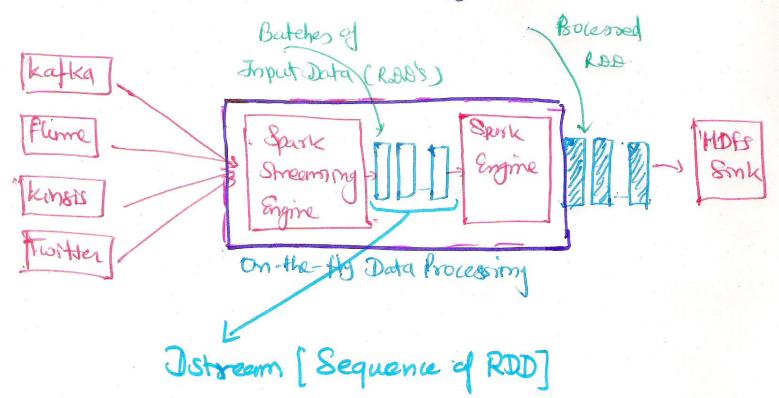
- 1 HDFS
- 1 H Base
- 3 Cassandha
- (S3 (Amazon)



- =) In fact, you can apply Spark's machine bearing.

 Cond graph processing algorithm on data streams.
- =) Spark streaming divide data into micro-batches.

- => Each mirons-butch replicated at-least on two maks.
- => Each micro-botch is processed by speark engine In parallel, In Sequence.
- =) Output would be in beatches.



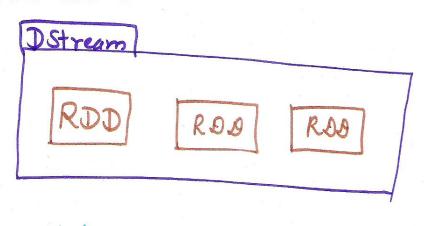
Detream? Discretized Stream

=> Distream represents a continuous stream of data.

Creation of Detream! -

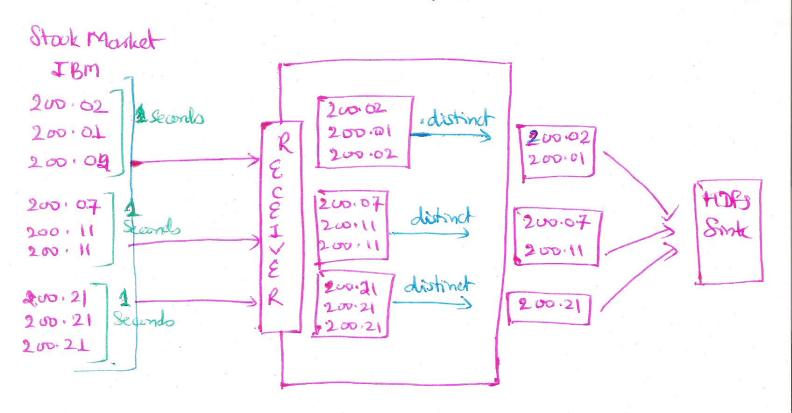
- 1 Can be created from its data streams. e.g. flume, twitter, kensis.
- D Applying transformation on Detreem only.
 HADOOP Exam- Com

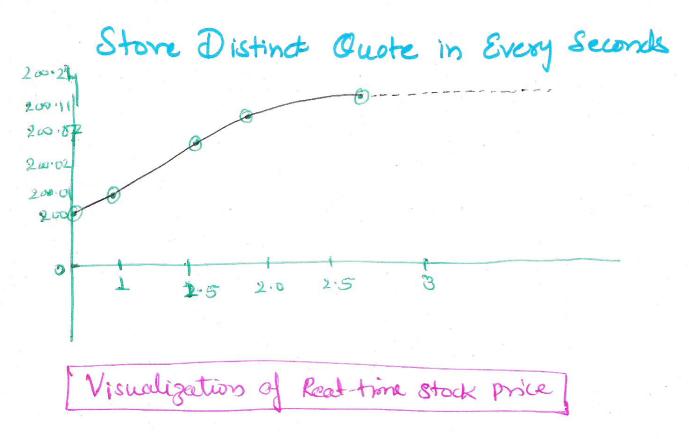
- > New botch (new RDD) one created at regular intervals.
- => At the beginning of each time-interval a new butch is created.
- =) Any data that arrives during that interval gets added to that butch.
- => Butch Interval: The 8ize of time interval is determined by a parameter called batch Interval.
- =) Crenerally both interval is betw 500 milliseconds to several seconds.



- =) If no data is present in given interval, the RDD will simply empty.
- =) Detream also have new stateful transformations that cern aggregate deeki across time.

HADOOP Exam. com





- 1 Loos of Stock Exchanges.
- 1 Loop's of Indexes (Senser, Nifty, FTSE, HASDAW. -etc.)
- 3 millions of stocks.

WWW. HADOOPExamilan

1) Muge volume of real-time duta stream.

HadoopExam Learning Resource provides the following material for the Advanced Technologies.

Please visit www.HadoopExam.com for more detail this is just a few products from portfolio.

Price start for training with Just \$79/3500INR



HandsOn Session

+ Certification

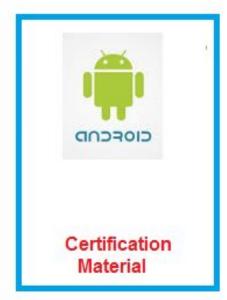
Material



Hadoop Professional Training with HandsOn Sessioon + Certification

Material









Certification Material



Certification Material



Certification Material



