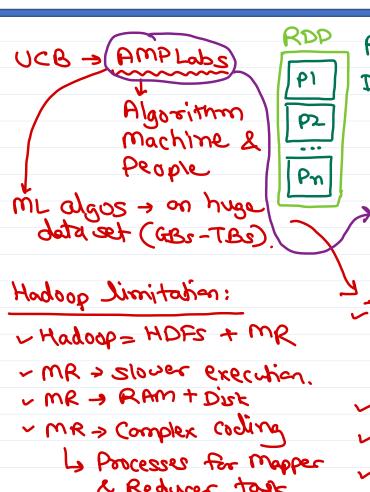


Big Data Technologies

Trainer: Mr. Nilesh Ghule.



Spark

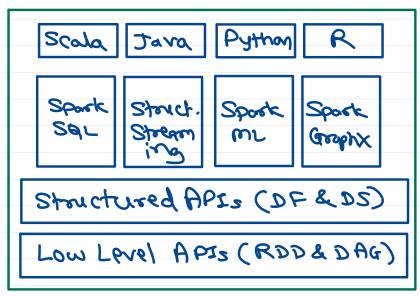


& Reducer took. ~ mahout lib-mL. v for commodity hw

RDD: Resilient Distributed Dataset. DAG: Directed Acyclic Graph. al such 2 Har 3 Databacks (Matei Zaharia) 4 Apache Spark (2008/09)

~ Distributed Computing towerework - Caro work with any Dist Storage

- ~ for cessing in RAM.
- Faster execution
- ~ Tasks > Througs.
- ~ Sql + Streaming + rolt geaply
- ~ Simple opi: RDD | DF
- ~ Med high config machine (RAM)



Spark 2.2+ toolkit

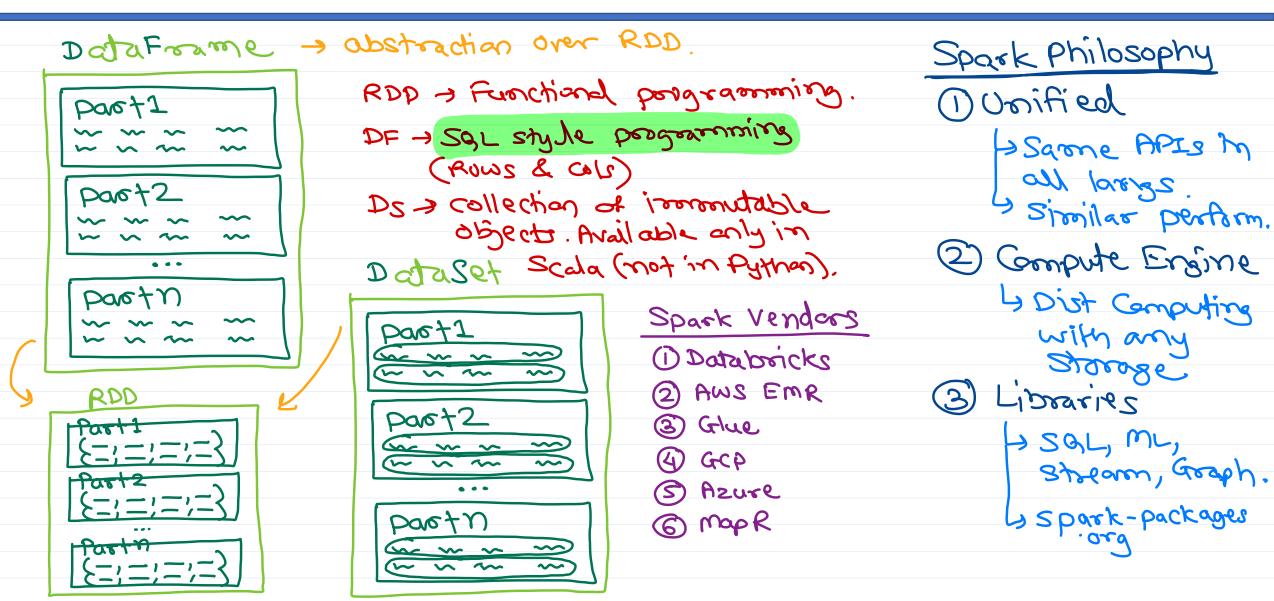
BAZback

- ~ Spack Decoleaming in Pythan.
- ~ barback bib bkg toe Spark dev.

Spark-R - Spark prog in R



Spark





Spark

SparkContext: main obj in Spark oppler.

SC - Responsible for RDD creation & Job execution (DAG)

- WED UZ (POET 4040)

LOW level API.

Session Session: Main abj in Spark apply.

Hire High level API

Gonter Weapper on Spark Content.

Responsible for DataFrame creation & JOB execution Web Ur (port 4040).

Encapsulate additional ctros

Singleton postern: one for whole appth.

On spack shells, Spack Context (Sc) and SpackSession (spack) is auto created.

For standolone appins, they must be created at the start of appin.

option ("header", True)

Option ("header", True)

Option ("header", True)

CSV ("potn/of/csv")





Thank you!

Nilesh Ghule <nilesh@sunbeaminfo.com>

