RySpank Pyspark is an Apache Spank library written in Python to run Python applications wring Apache Spark capabilities. It is a python API which is an analytical processing engine for large-scale powerful distributed data processing & machine learning application. - Open-source application.
- fast, flexible, easy to use, processing large-scale datasets. Apache Spark - single It can be runned on single mode or multi-node machines. exected to handle the limitations of MapReduce by doing in-mimosy processing PySpank feature * In - memory computation * Distributed prousing using parallely * fault-tolerant * Immutable * cache k persistence * Lazy evaluation Inbuild - optimization when using Pata frames. * Supports ANSZ-SQL

Apache kafka is an open-source distributed event streaming platform.

Advantages of Ryspark

Applications running on Pyspark are 100 x faster

It process data from Hadoop HDFS, AWS S3 & many file systems.

It is used to process real-time data using streamling streaming & Kaska.

It has natively Machine learning be graph libraries

Versions supported with Pyspark 3.5

Python - 3.8 & newer

Java - 8, 11 & 17 Cversions priox to 8u371 has been deprecated) =

Scala - 2.12 & 2.13 beyond.

PySpark Architecture works on master-slave architecture

Pyspank Modules & packagu.

Py Spark RDP (pyspark. rdd)
Py Spark Datafsame & Sal (pyspark. sql)
Py Spark Streaming (pyspark. streaming)
Py Spark MLlib (pyspark. ml, pyspark. mllib)
Py Spark (rooph from (broaph frames)
Proceedings (pyspark. ml)

PySpark Resource Cpyspark. ricsource new in PySpark 3.0.

Uploading file in databricks cotalog - défault - tables - cr rate table 7, cocate fablein Epload file notebook. How to ruad the data of a file in PySpark (local): Val filePath = "

Resilient Distributed Datasets
(reate ROO
Coeate RDD function und to coeate on RDD from a list collection
1). By using parallelize () function
from pyspark. sql import SparkSession
spank = Spank Session
spork = Spork Session \ - builder
app Name (" Py Spark (scate RDD ex"))
· config ("spark. some config. option, some-value.
- builder app Name (" Py Spark (seate RDD ex")) config ("spark. some config. option", some-value" get On (seate ())
df = spark spark (ontext, parallelize ()