Count-1

flatMapValues

Client JVM: APPID has to be same

P1-.repartition

P0-.repartition

FS

FS

P1

P0

Wc1

Count-0

Client JVM

flatMapValues

P1-.repartition

P0-.repartition

Broker20: P1

Broker10: P0

RocksDB am 5, Mukesh 1,Suresh 1>> APPID.changelog-partition0

Count-0 am <am,am,am,am>: 4>5,Suresh 1,Mukesh 1,Dinesh 1

RocksDB>> APPID.changelog-partition1

P0 am:4 T1,am 5 T2

P1

Count-1

I <I,I,I,I>: 4,Rajesh 1, Dinesn 1

12 I,12 am,12 Suresh

14 I,14 am,14 Rajesh

RocksDB am 5, Mukesh 1,Suresh 1

Broker10: P0

10 “I am Mukesh”

20 “I am Mukesh”

11 “I am Dinesh”

Part-1: appID.repartiton

I <I,I>

Rajesh <1>

Part-0: appID.repartiton

Suresh < Suresh >

am <am,am>

Part-1: appID.repartiton

I <I,I>,Dinesh < Dinesh >

Part-0: appID.repartiton

mukesh <mukesh,mukesh>,am <am,am>

Broker20: P1

12 “I am Suresh”

14 “I am Rajesh”

10 I,10 am,10 Mukesh

11 I,11 am,11 Dinesh

Client JVM1

flatMapValues

Client JVM2

flatMapValues