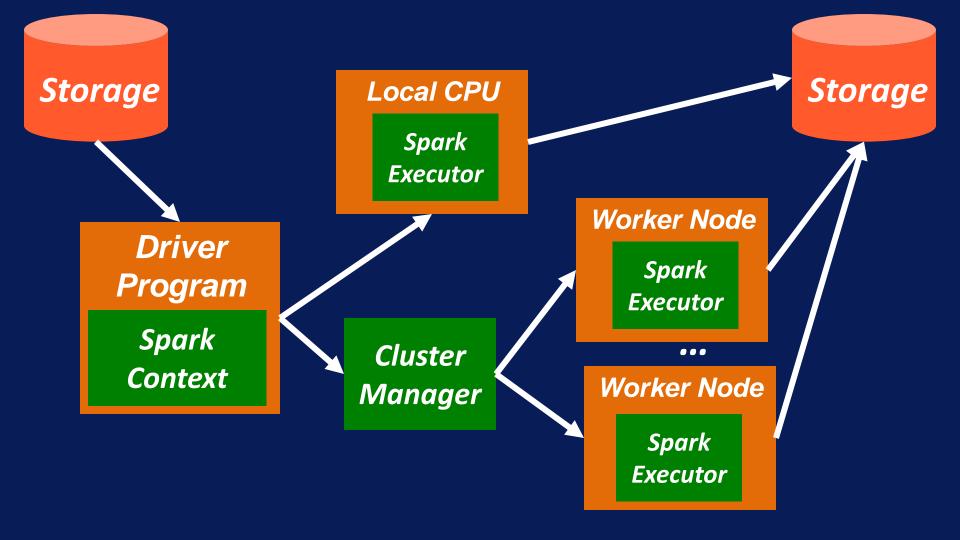
Spark Core: Programming In Spark



After this video you will be able to...

- Use two methods to create RDDs in Spark
- Explain what immutable means
- Interpret a Spark program as a pipeline of transformations and actions
- List the steps to create a Spark program



Creating RDDs



```
In [1]: lines = sc.textFile("hdfs:/user/cloudera/words.txt")

lines = sc.parallelize(["big", "data"])

numbers = sc.parallelize(range(10), 3)
Parallelize
range output
```

[0, 1, 2, 3, 4, 5, 6, 7, 8, 9]

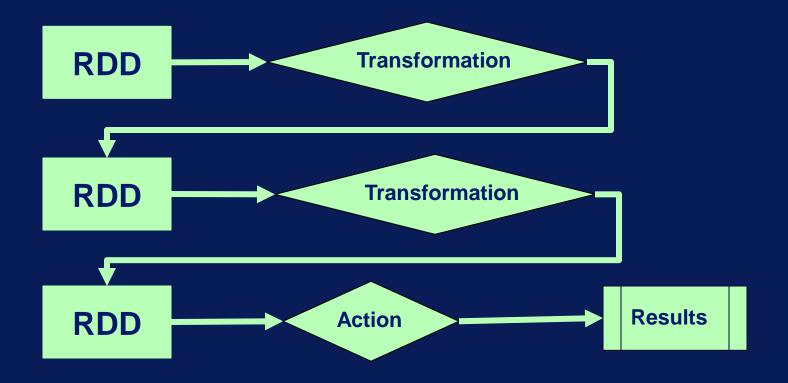
numbers.collect()

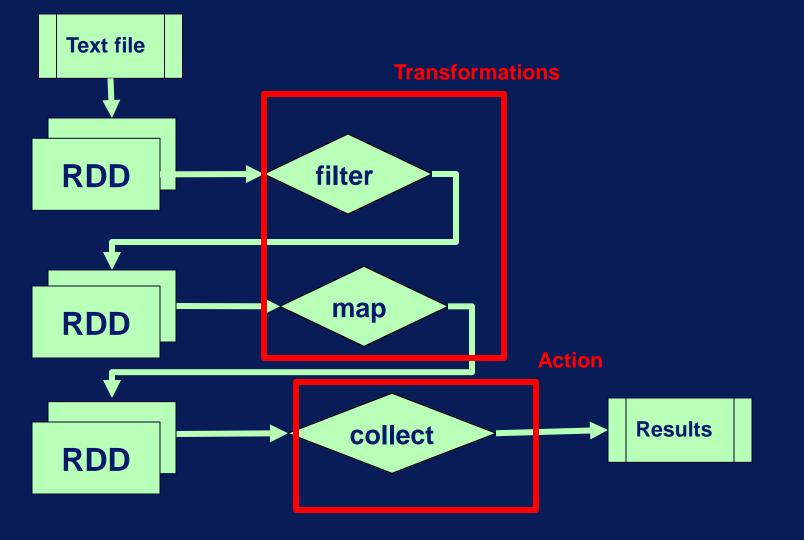
[0, 1, 2], [3, 4, 5], [6, 7, 8, 9]

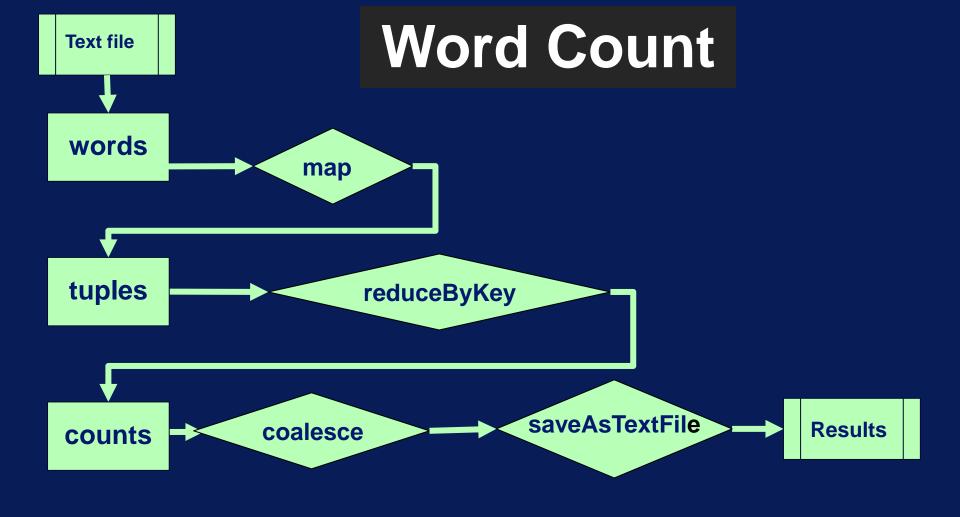
into 3 partitions

[0, 1, 2, 3, 4, 5, 6, 7, 8, 9]

Processing RDDs







Programming in Spark

Create RDDs



Apply transformations



Perform actions