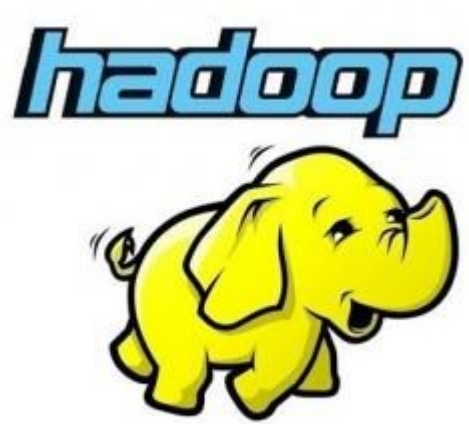
# Hadoop

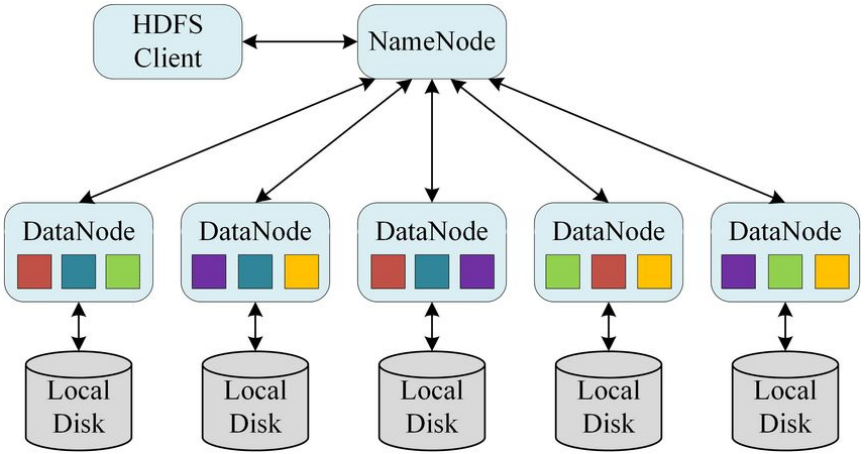
# Hadoop

- Library that used to process big data
- Open source
- Run process with multiple machines



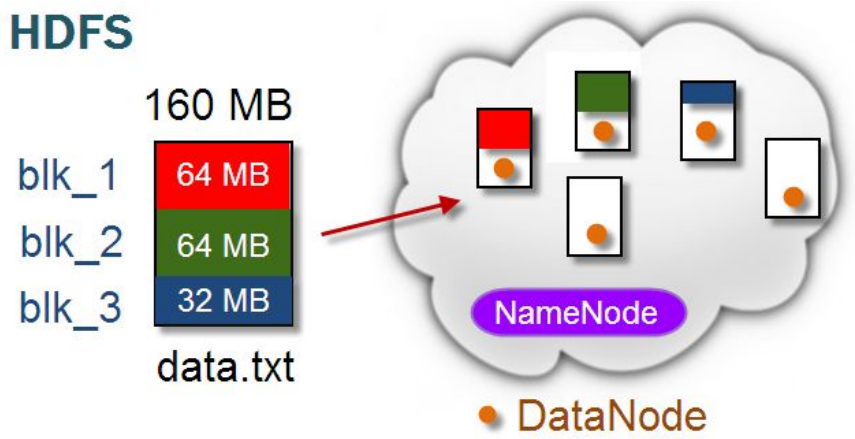
# HDFS

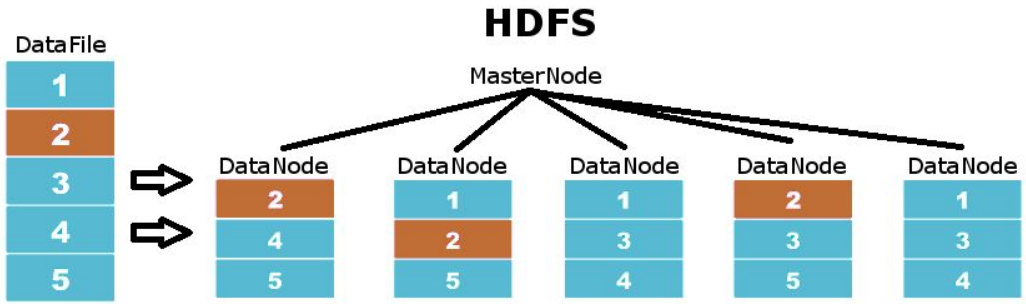
- HDFS is used to store the data
- Hadoop distribute the file when load



# HDFS Blocks

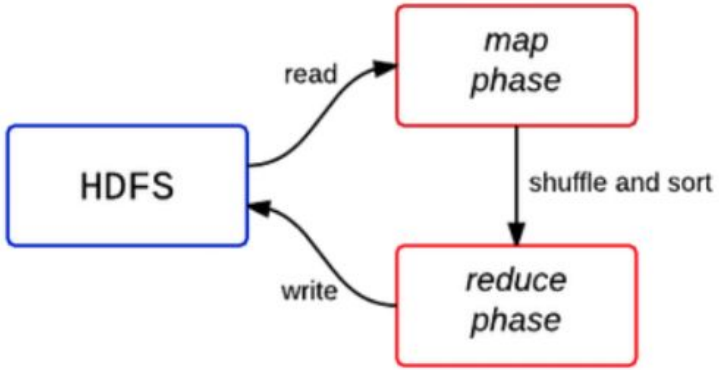
- Data is distributed with bulk mode
- Replication factor



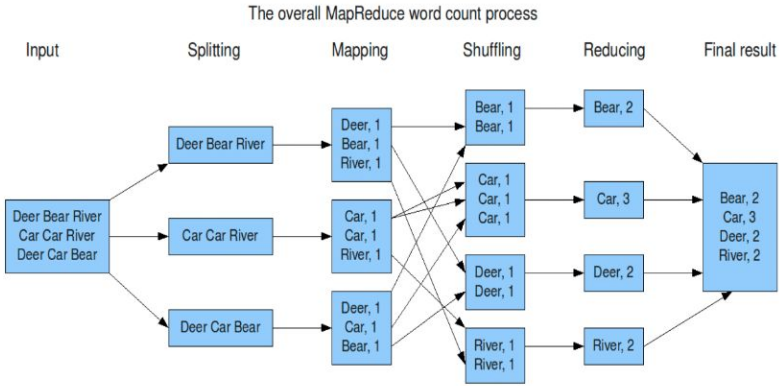
# Map Reduce

- Map reduce is a library to process data
- Java , Pig and Hive are used to implement



# Map Reduce

- Split : Data is splitted to 64 mb blocks
- Map: Map with key(word) and values(1)
- Shuffle : Group the same words
- Reduce : Count by keywords



# Finish