



# Intro to Hadoop Ecosystem

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# Agenda

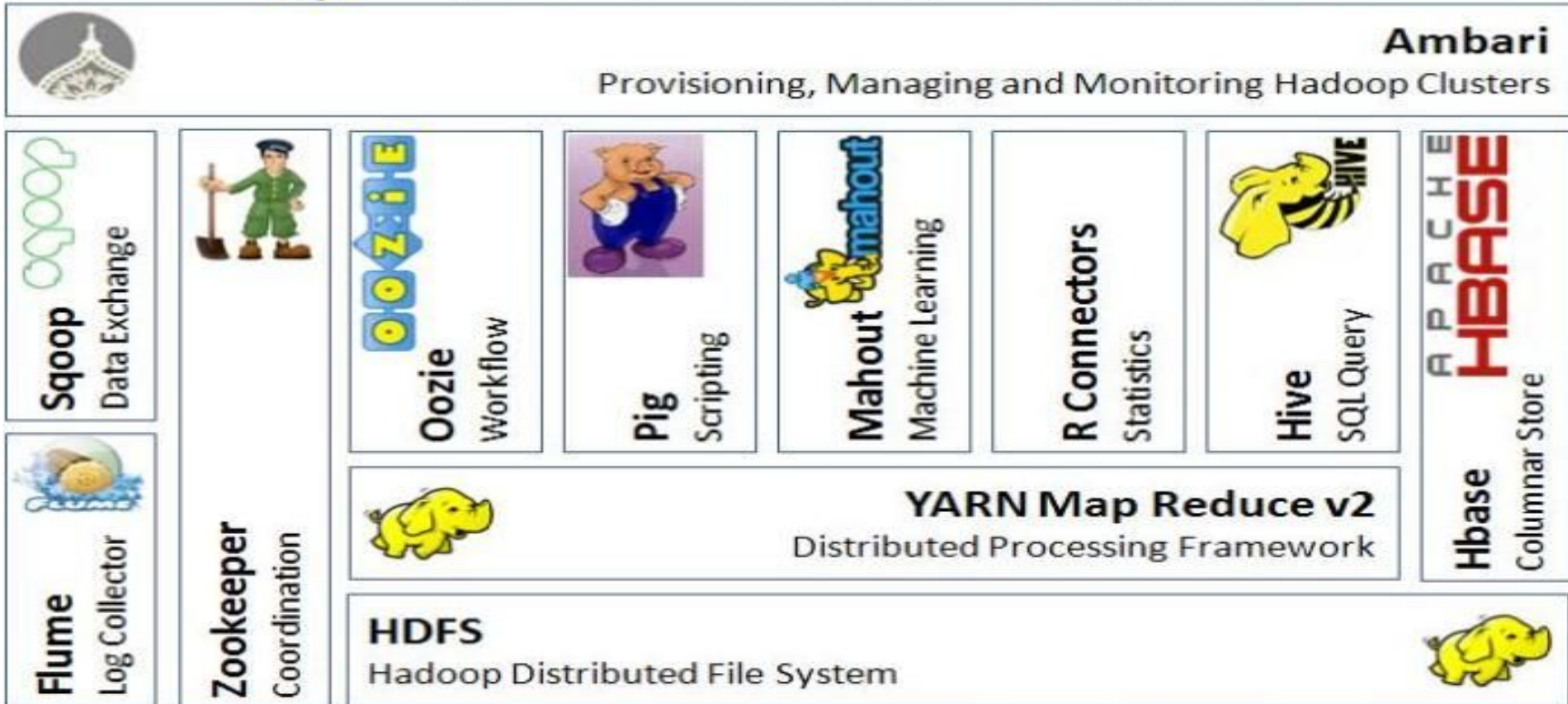


1. Hadoop Eco-system
2. Hadoop YARN
3. Zookeeper
4. Hbase
5. Hive
6. Pig
7. Sqoop
8. Flume
9. Oozie
10. Spark

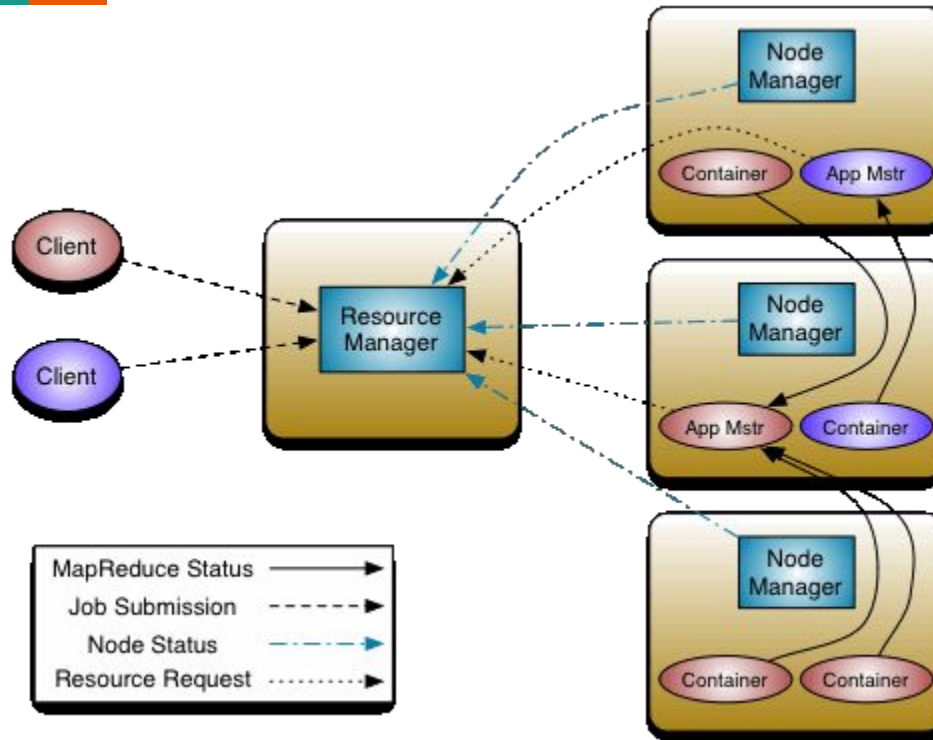
# Hadoop Eco-system



## Apache Hadoop Ecosystem

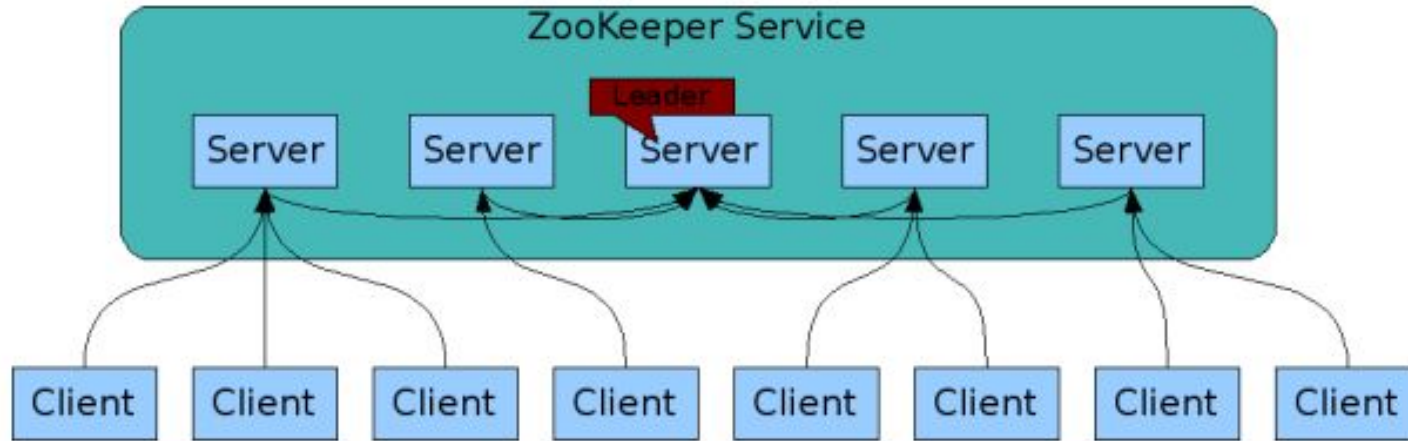


# YARN - Yet Another Resource Negotiator



1. RM
2. NM
3. AppMaster
4. YarnChild

# Zookeeper



1. Leader
2. Quorum
3. Ensemble

# Hbase



1. NoSQL
2. Data is in billions or atleast in millions
3. Built on top of HDFS
4. Works with ReST / Java Data Objects / Scala / Jython

# Hive



1. SQL over MapReduce
2. JDBC Connectivity
3. Inbuilt SQL Optimisation

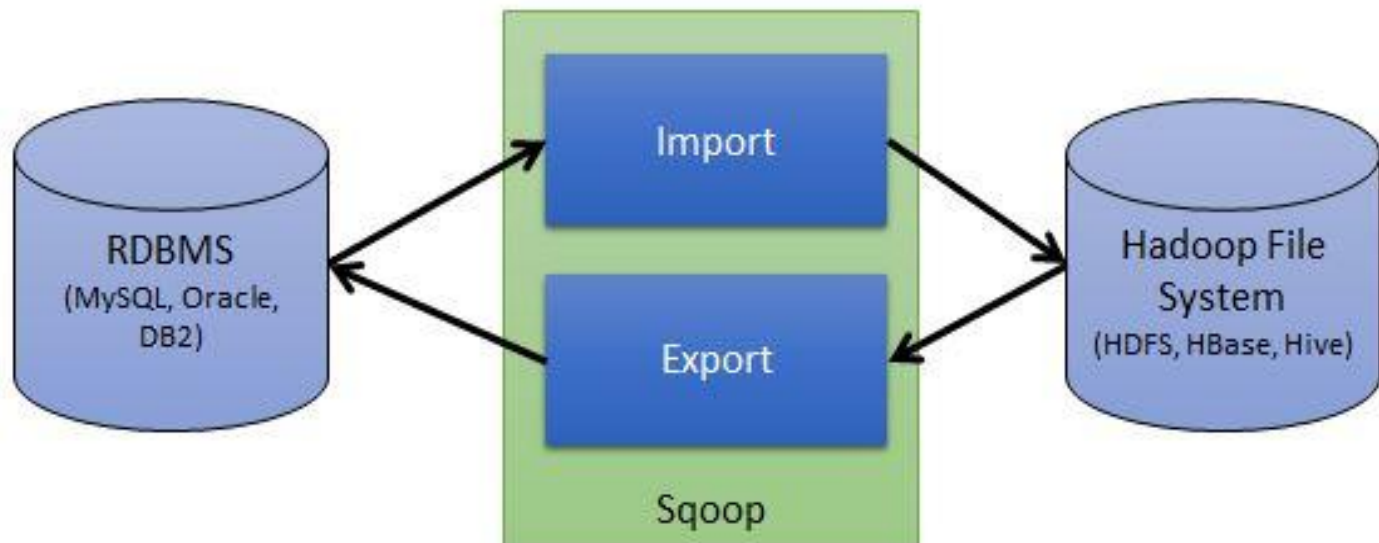
# Pig



1. High level language for processing analytical workloads
2. Can help avoid SQLs
3. Can bring in heavy optimisation



# Sqoop



# Flume

1. Streaming data processing system
2. Collecting aggregating and moving large data across systems
3. Typically used in data ingestion

