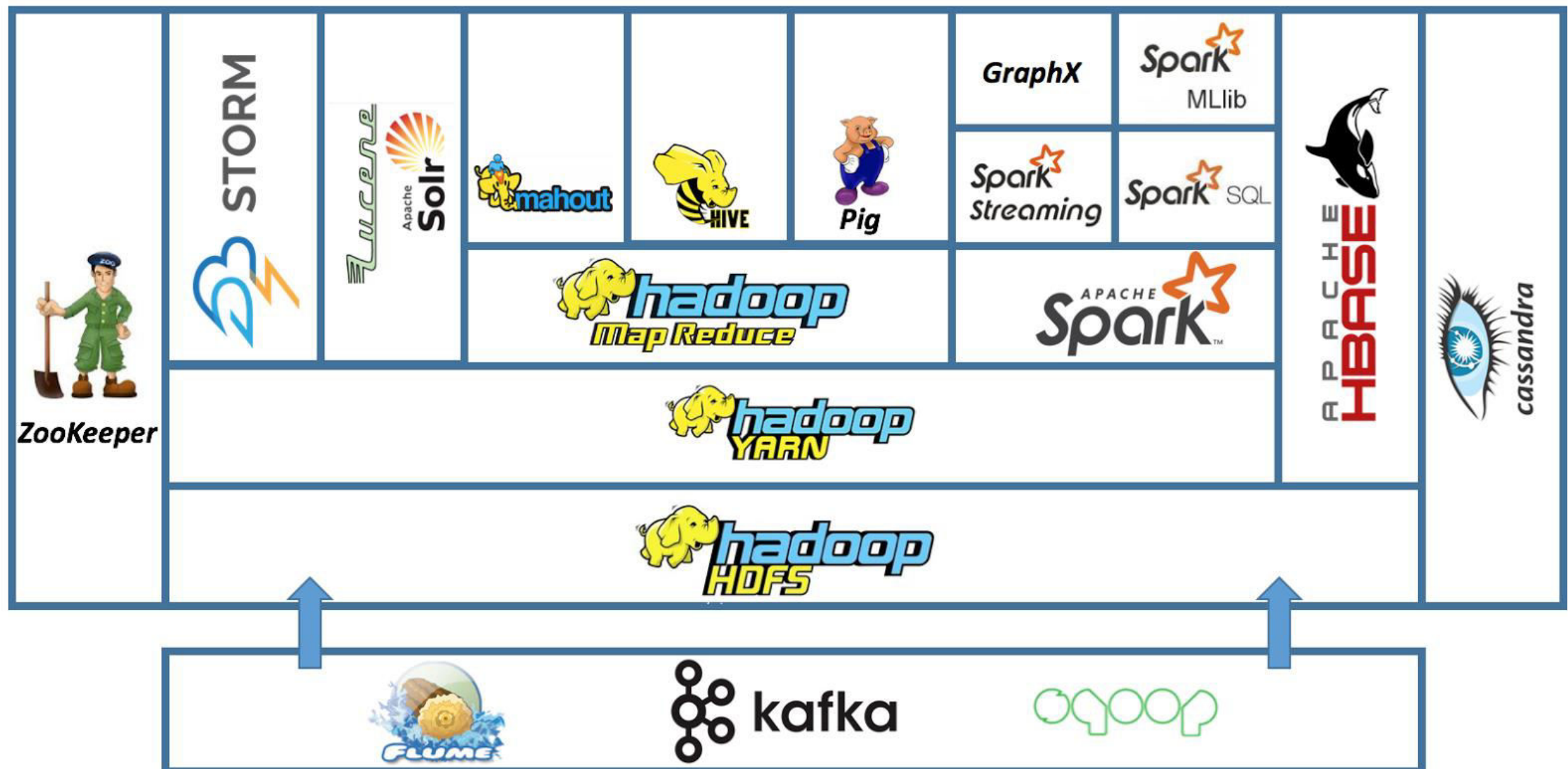


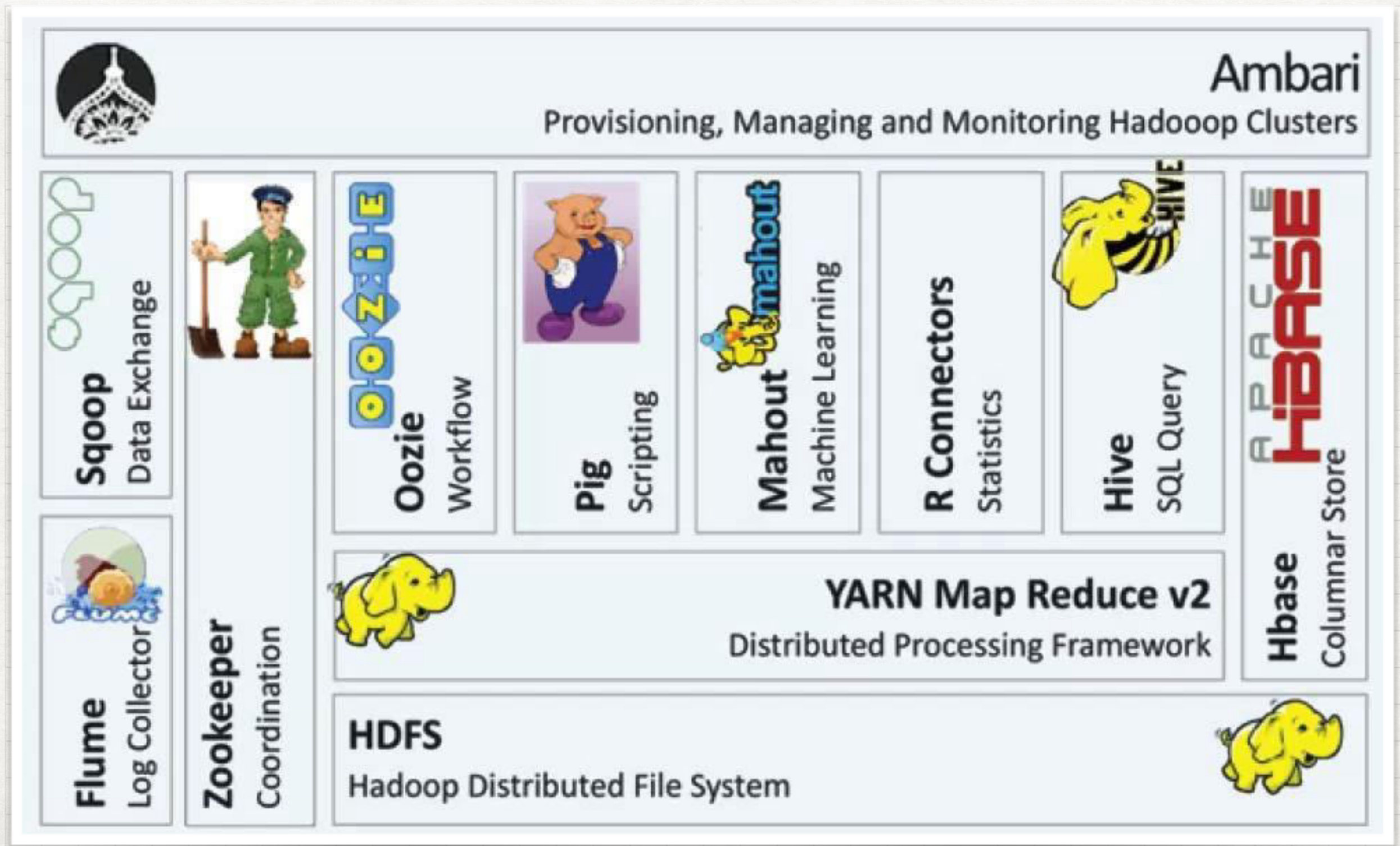
HADOOP ECOSYSTEM BASICS



HADOOP HISTORY

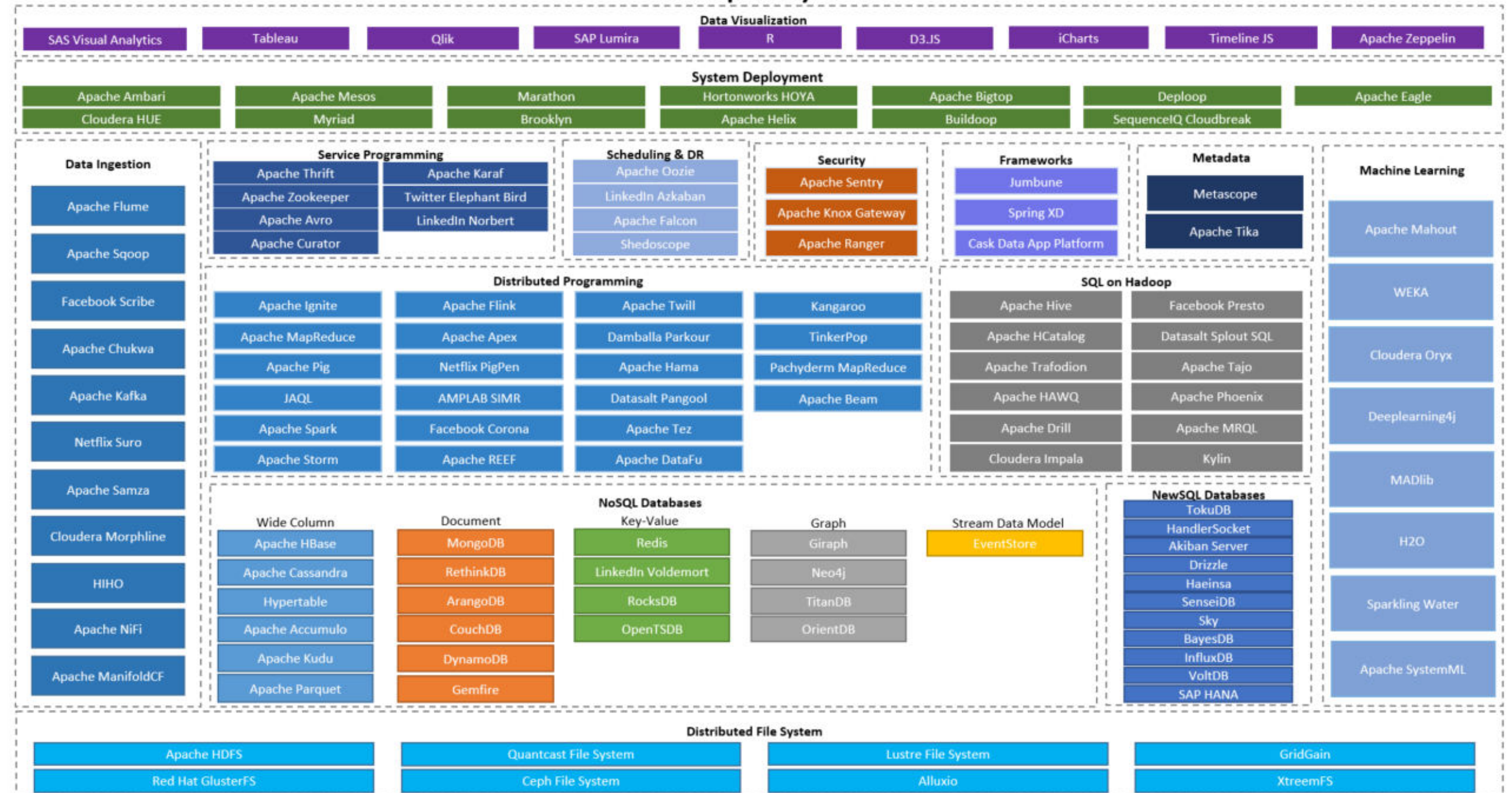
- 2002 – запуск проекта Nutch
- 2003 – публикация с описанием GFS
- 2004 – создание NDFS (Nutch Distributed File System)
- 2004 – публикация Google и MapReduce
- 2005 – реализация MR в Nutch
- 2006 – выделение проекта Hadoop
- 2008 – выход Hadoop в лидеры ASF (Apache Software Foundation)
- 2008 - Apache Pig
- 2010 - выделение проекта HBase (ноябрь - Facebook messages)
- 2012 - Apache Impala
- 2012 - Apache Scoop
- 2012 - Apache Accumulo
- 2013 - Apache Kafka
- 2013 - Apache YARN
- 2013 - Apache Hive
- 2013 - Apache Spark (начало работы в 2009)

HADOOP WORLD 1.0



HADOOP WORLD 2017

Hadoop Ecosystem



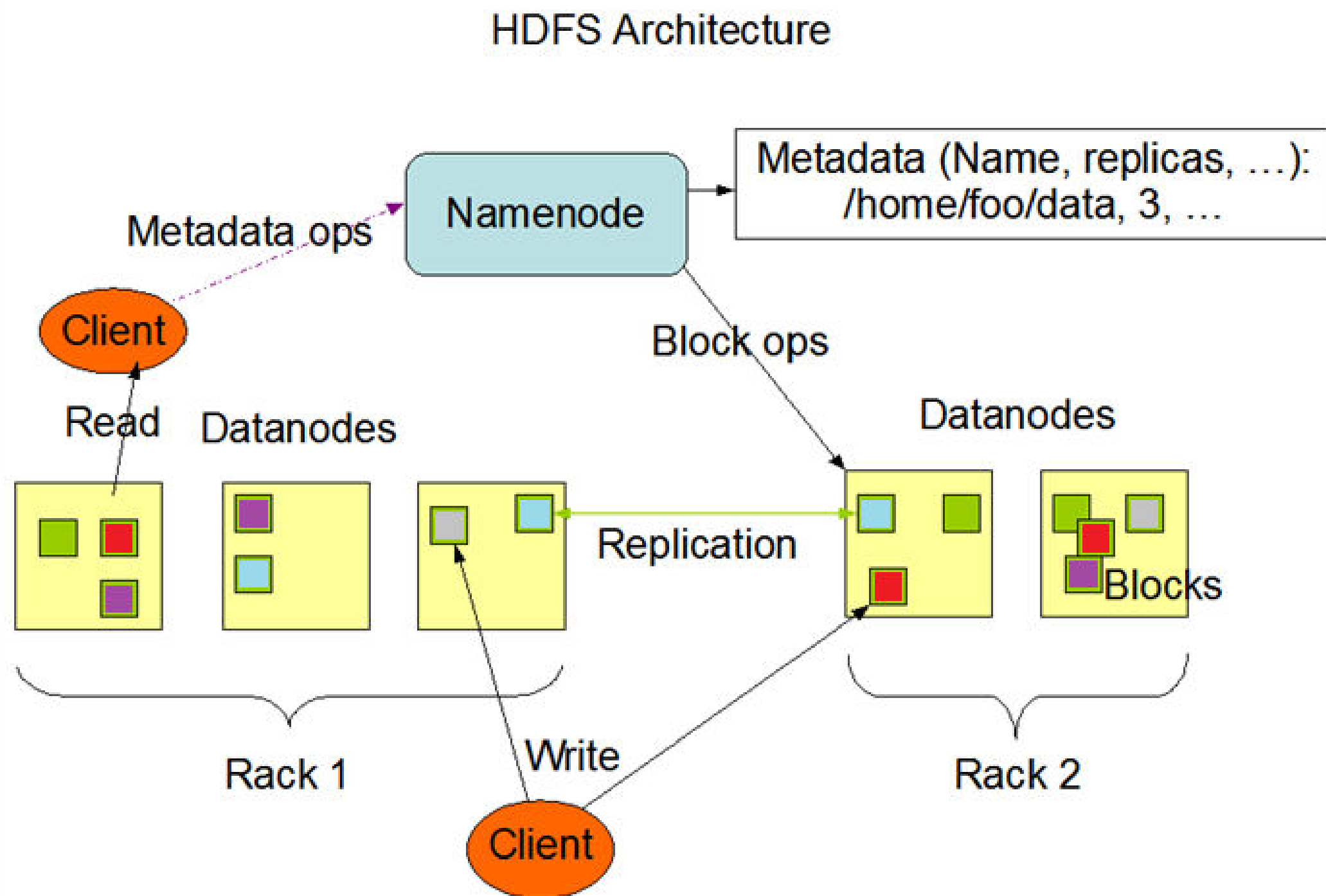
HADOOP BASICS

1.Hadoop Distributed File System (HDFS):

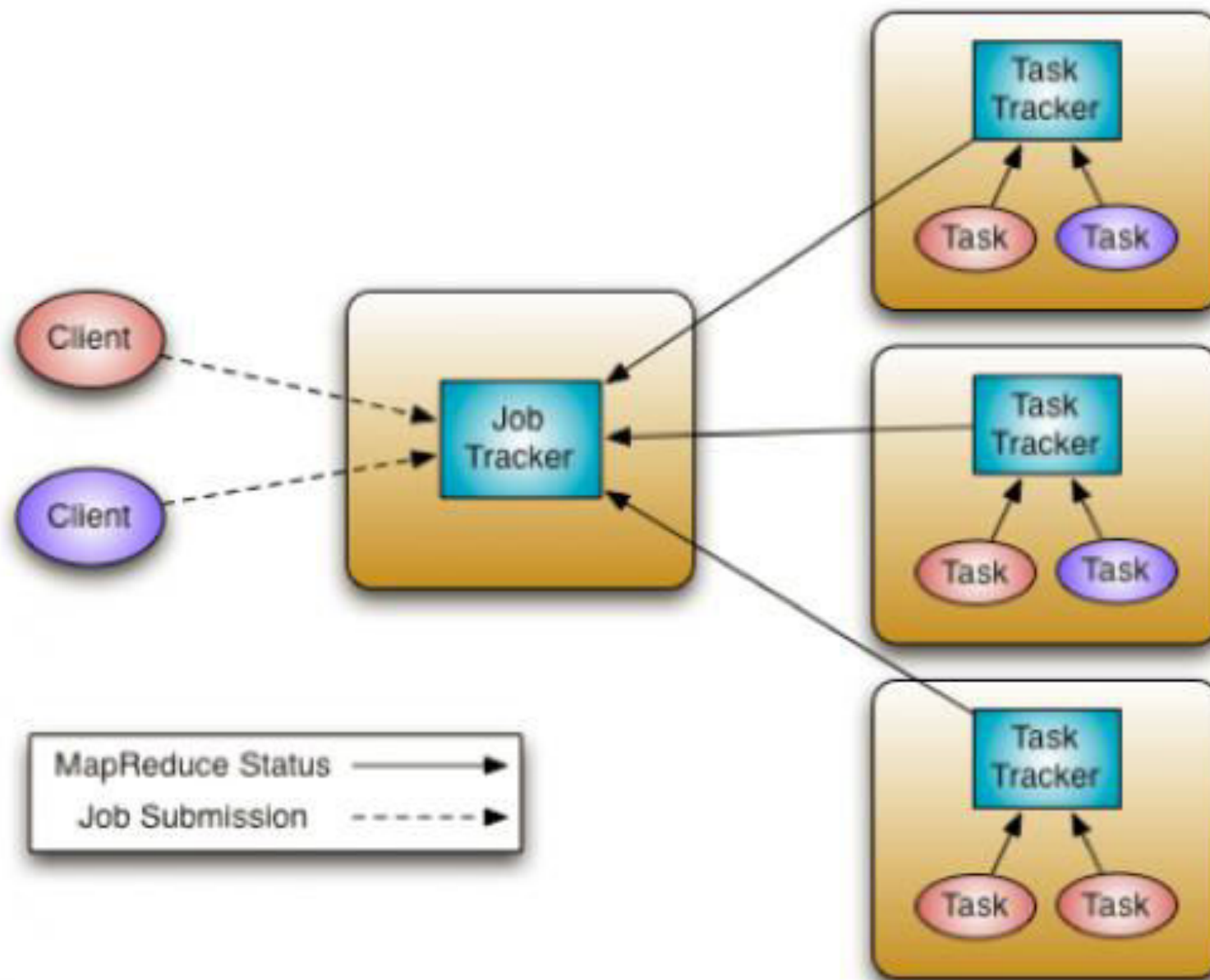
2.Hadoop YARN

3.Hadoop MapReduce

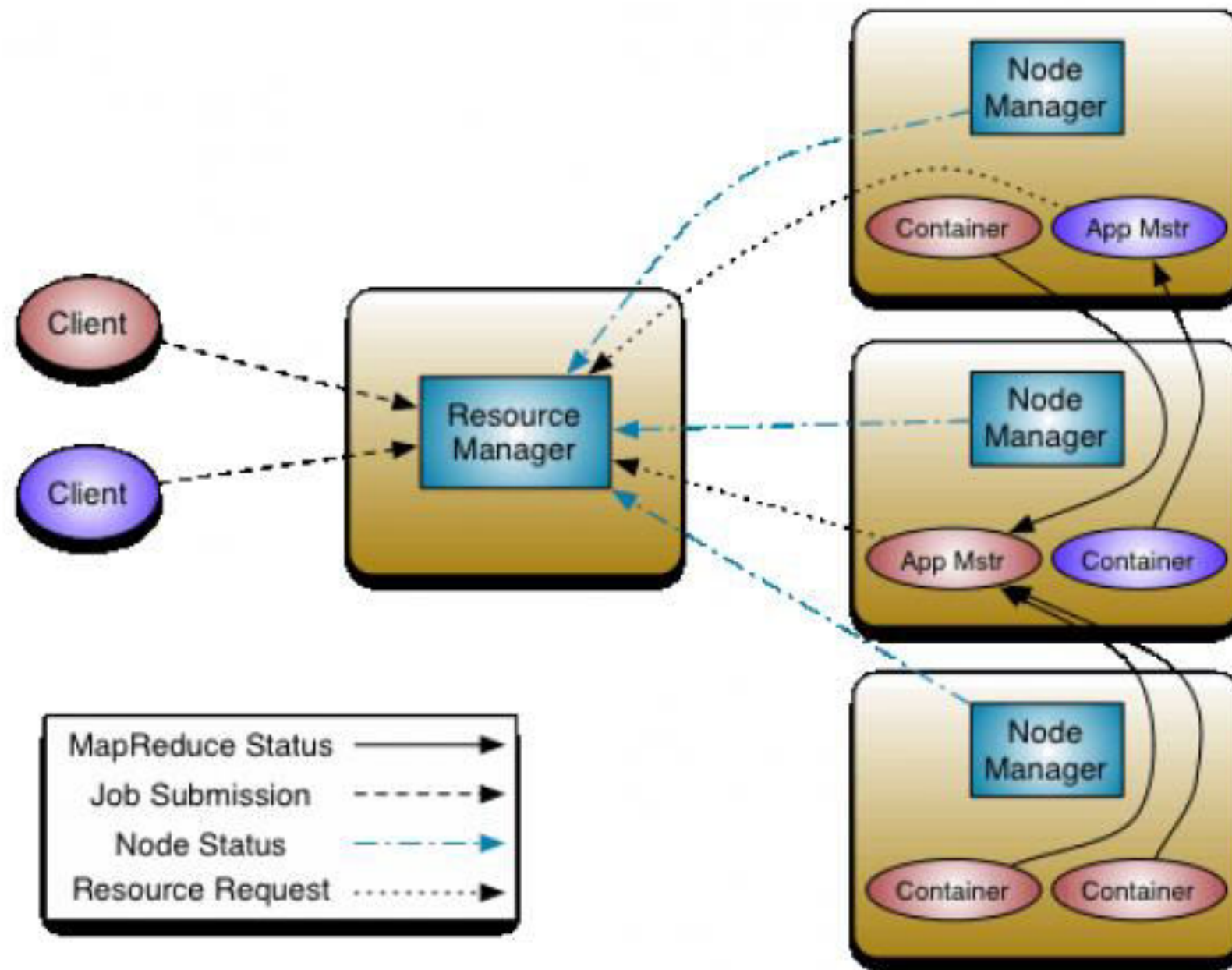
HDFS BASICS



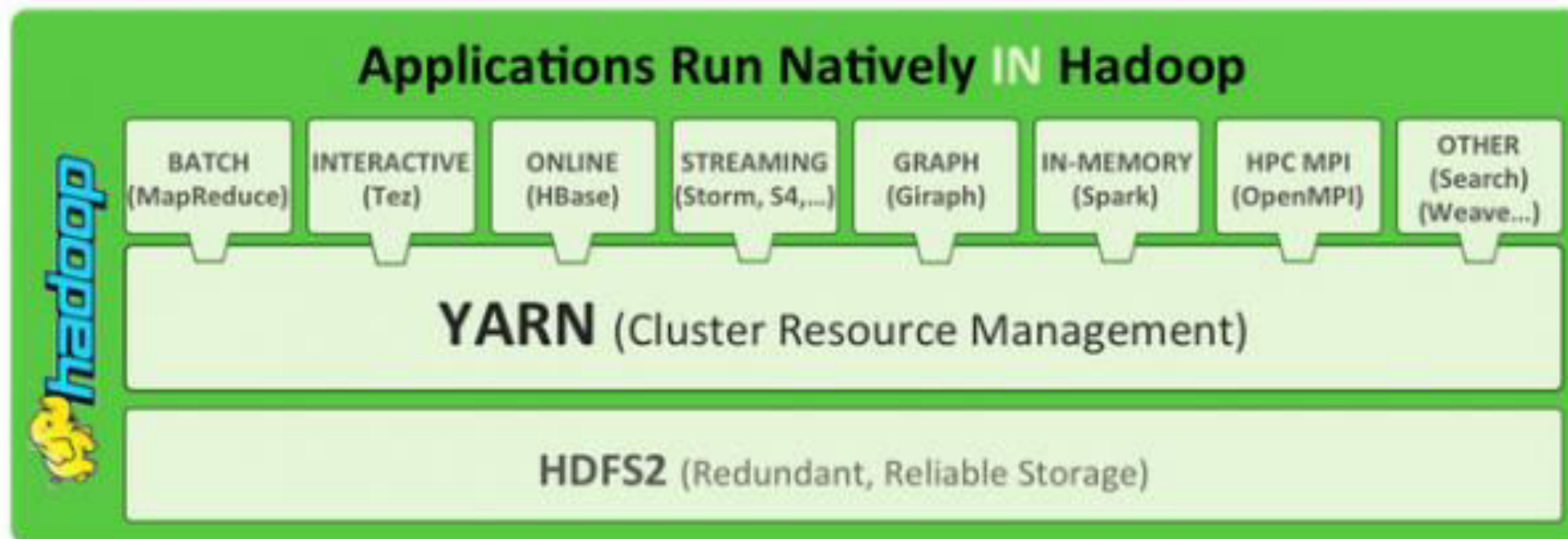
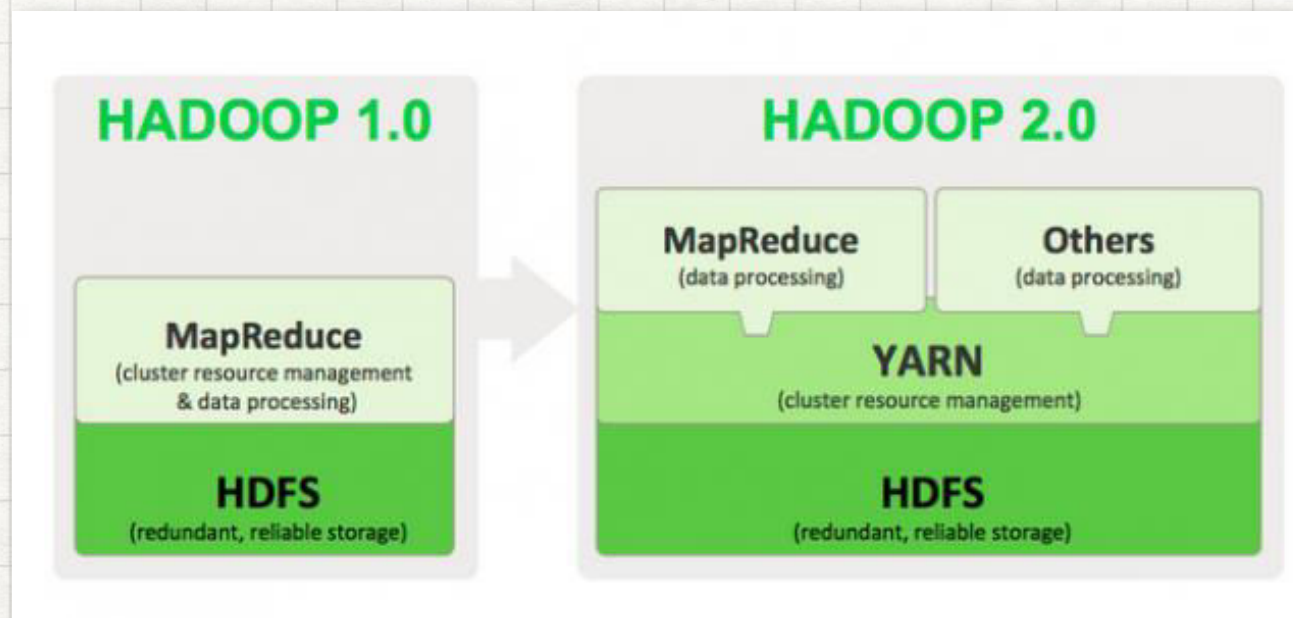
MR 1



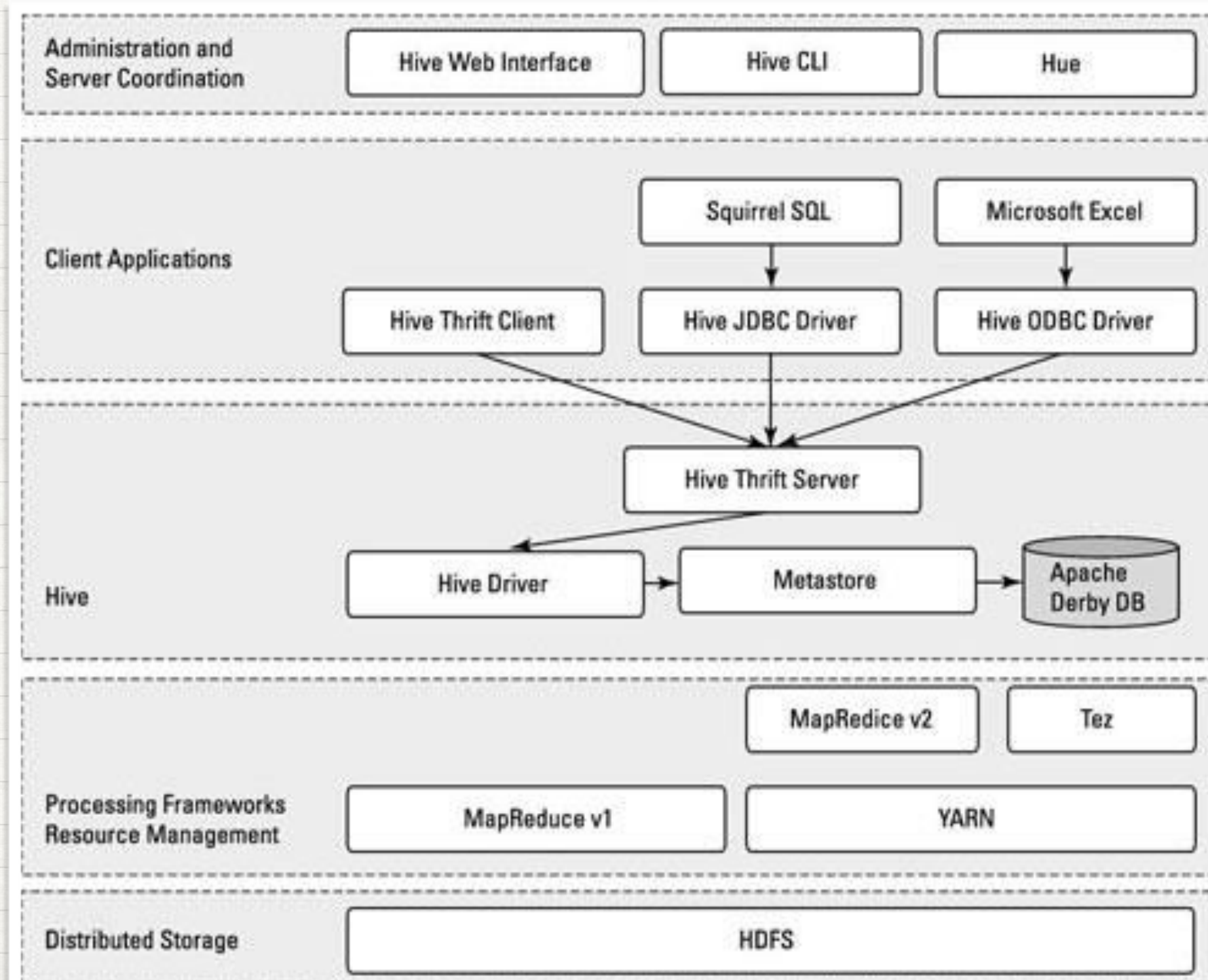
YARN (MR 2)



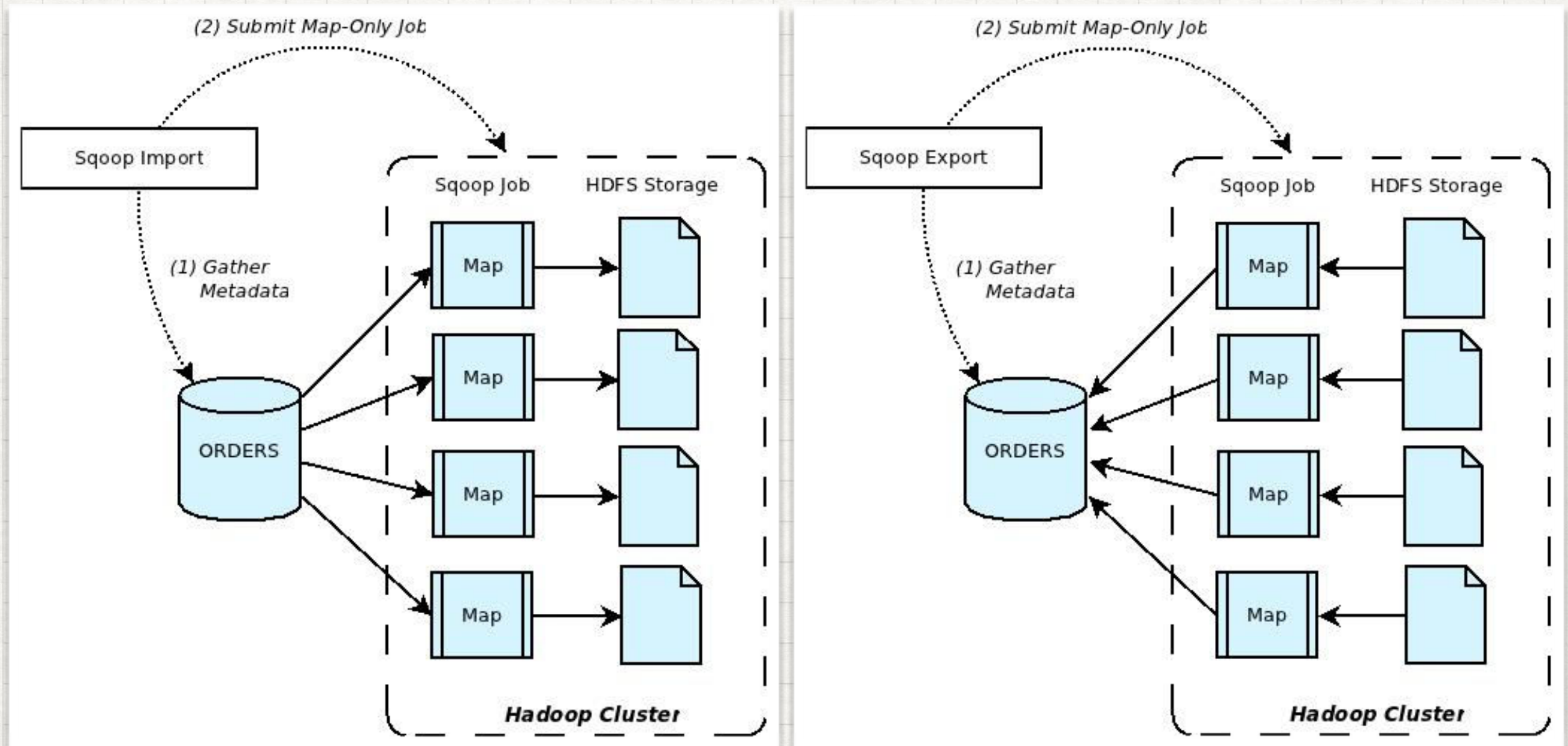
YARN



HIVE BASICS

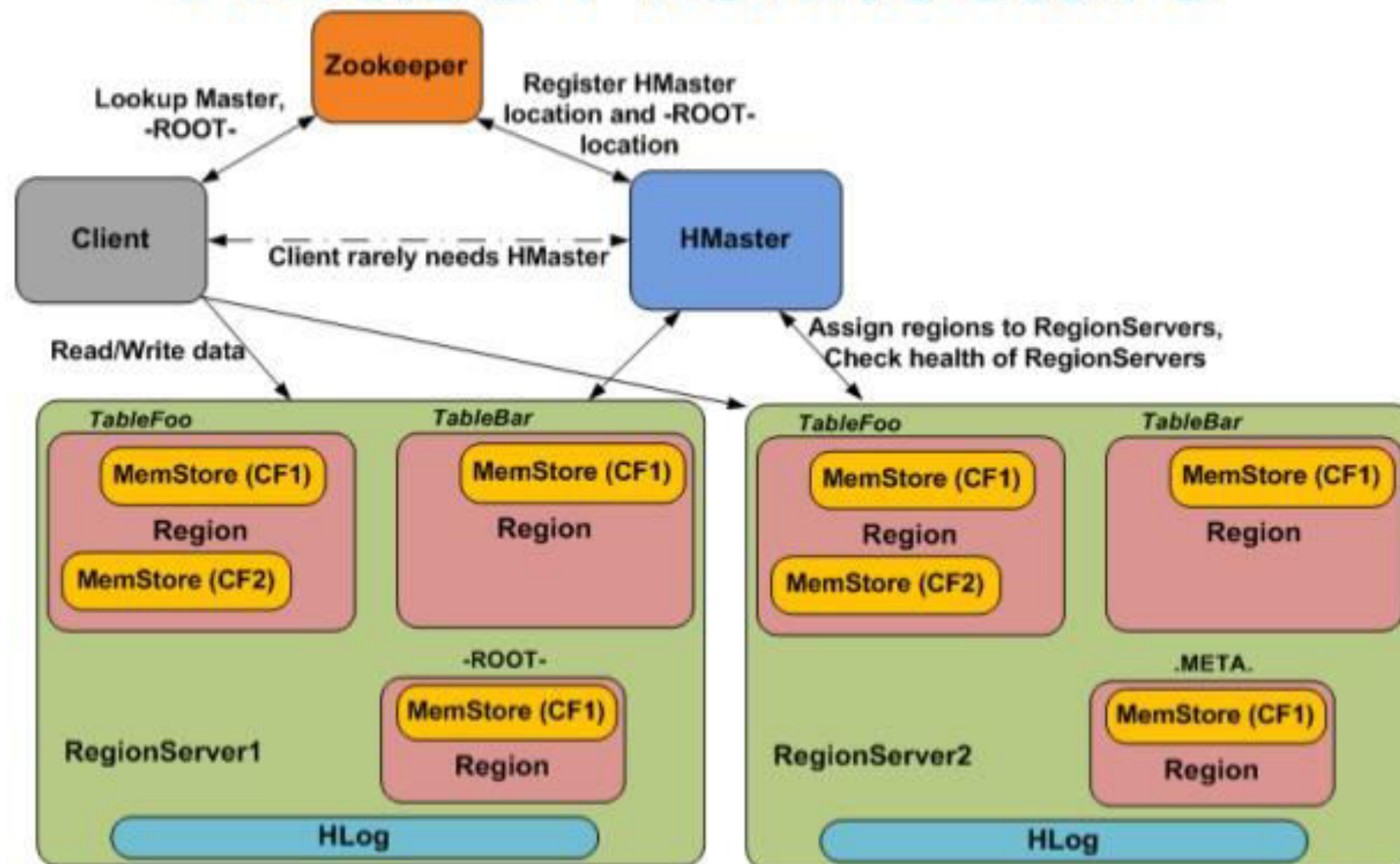


SQOOP BASICS



HBASE BASICS

HBase Architecture



SPARK BASICS

