

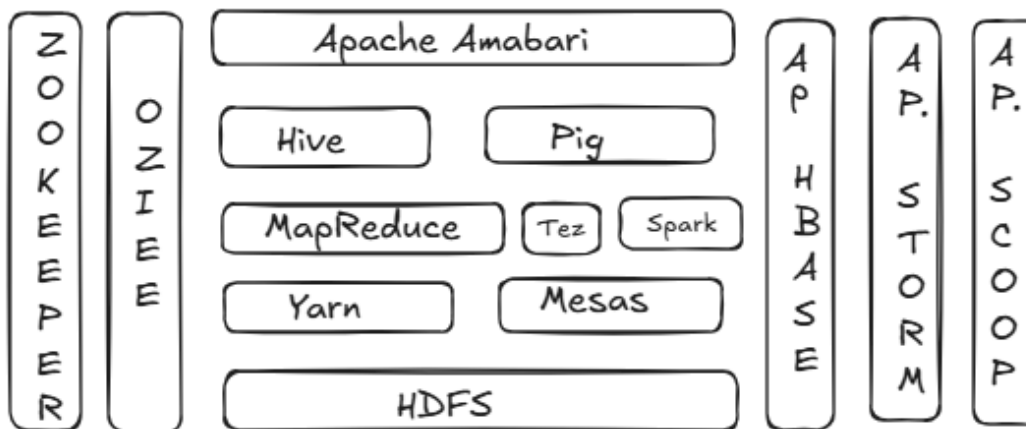
**Symbol Of Hadoop** – Elephant

**Language used in Hadoop** – Java

**Advantages-** Speed of data processing and fault tolerance

## Hadoop architecture

Diagram:



1. HDFS → Cluster form
2. YARN → Yet Another Resource Negotiator (Manage resources, Heartbeat of Hadoop)
3. MESOS → AI Interaction (same as ↑↑)
4. MapReduce → Analysis
5. PIG → Scripting Language & API Generating (inbuilt)
6. HIVE → Run SQL Queries
7. TEZ → Graphical Representation
8. SPARK → Write script (code)
9. AP HBASE → Storage
10. AP STORM → Real-time processing
11. AP SQOOP → Connection between SQL and HDFS
12. OOZIE → Task scheduling
13. ZOOKEEPER → Process state
14. APACHE AMBARI → Overall information