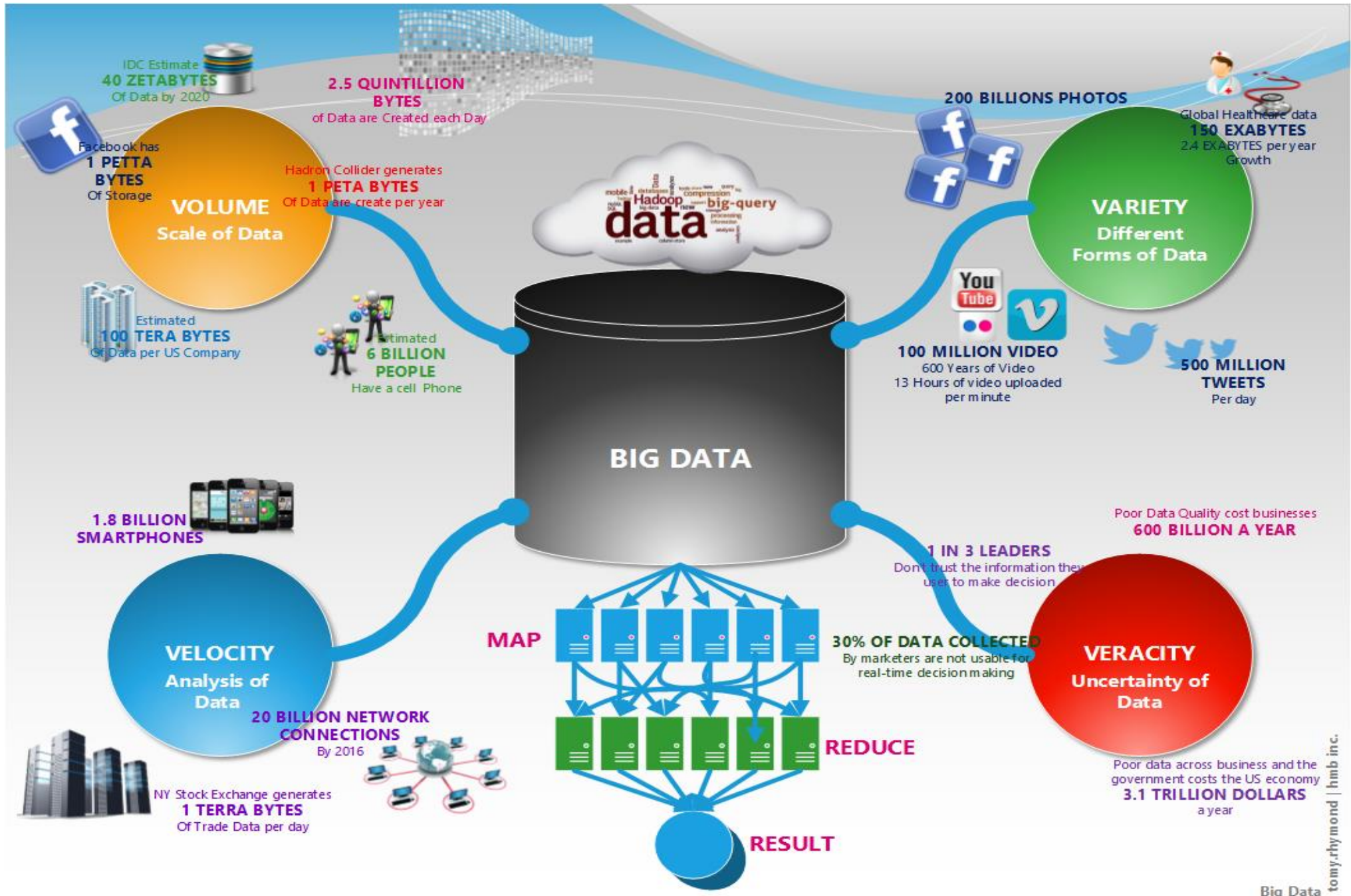


What it is Big Data



WHY IS IT IMPORTANT NOW?



Smart Phones

4.6 billion mobile-phones.
1 - 2 billion people accessing the internet.



Connectivity:
Internet Of Things



Connectivity:
Social Networks

Facebook: 1.06 bn monthly active users, 30 billion pieces shared monthly.
~175 million tweets every day

The connectivity improved.
The devices became cheaper, faster and smaller.

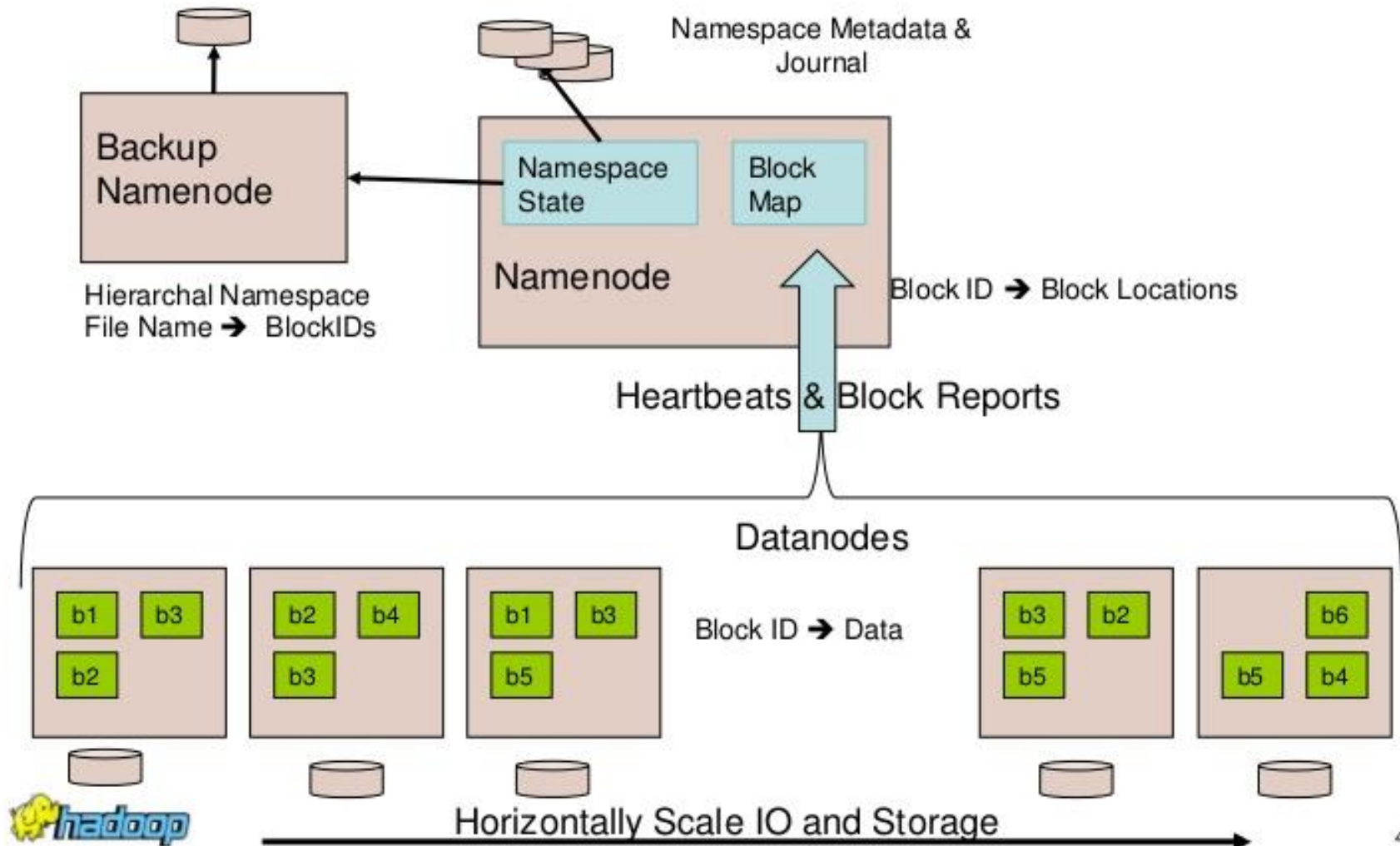
Hadoop

What is it and why does it matter?

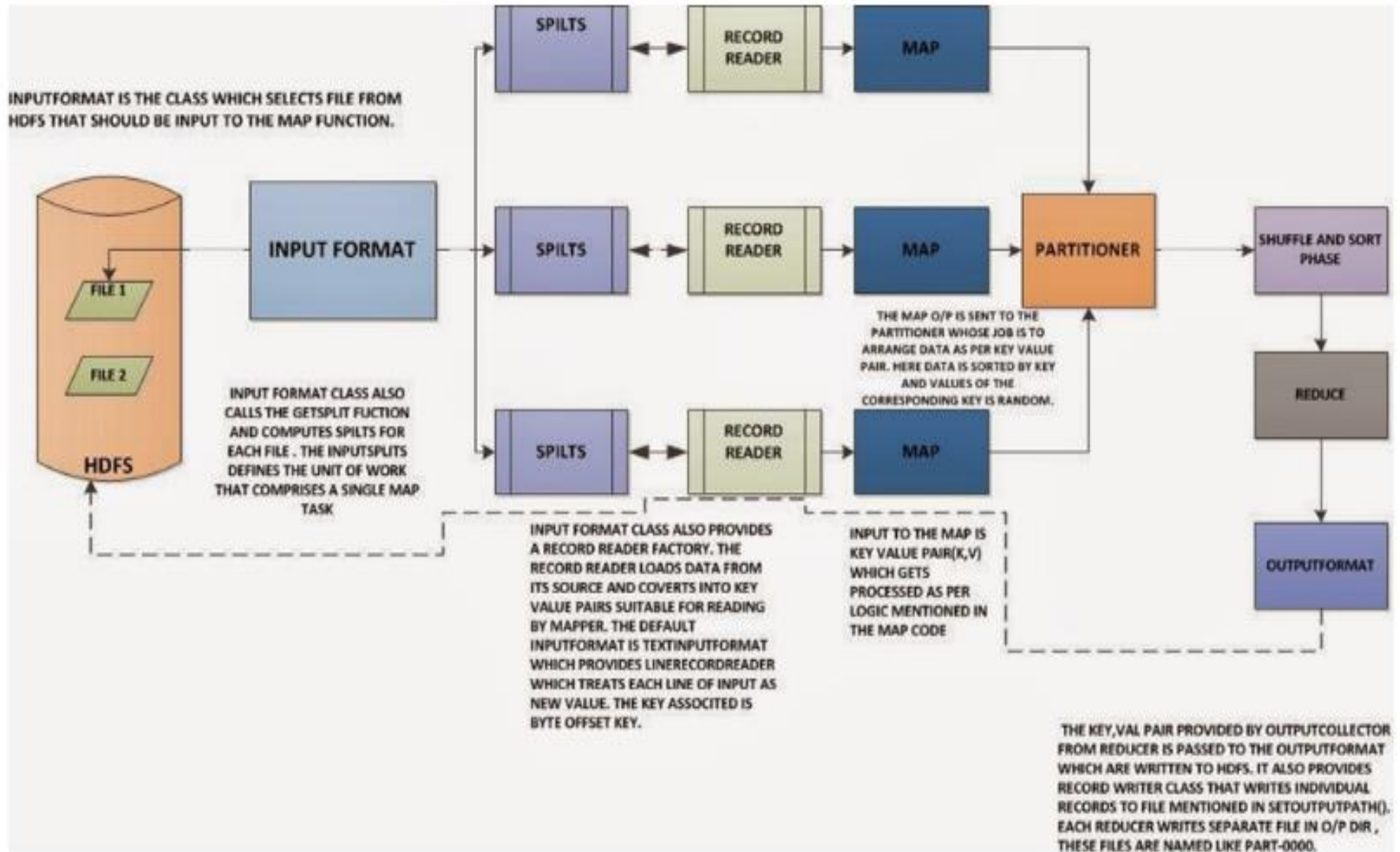
- **Apache Hadoop** is an open-source software framework used for distributed storage and processing of very large data sets
- It consists of computer clusters built from commodity hardware
- All the modules in Hadoop are designed with a fundamental assumption that hardware failures are a common occurrence and should be automatically handled by the framework.



HDFS



•Map Reduce Work Flow





Apache



Pig



Sqoop



Cassandra



mongoDB

[illegible]