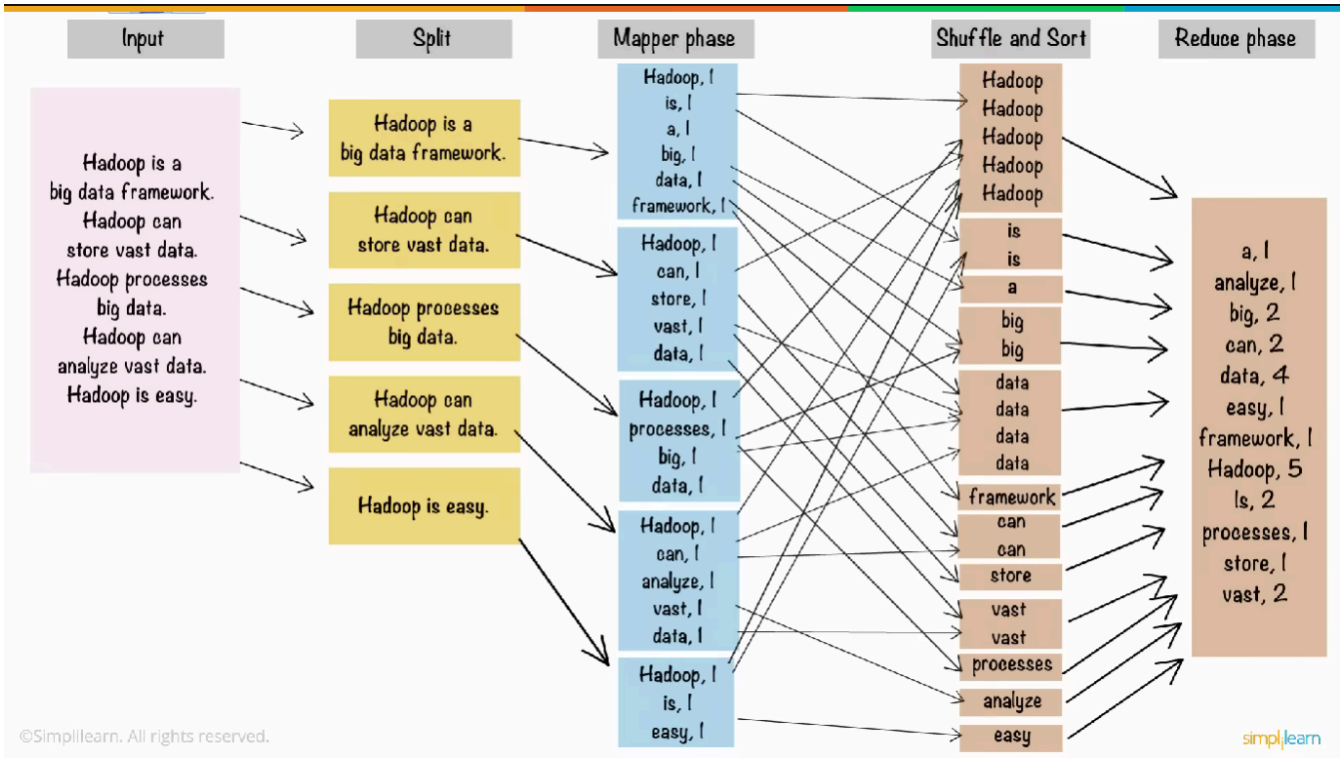
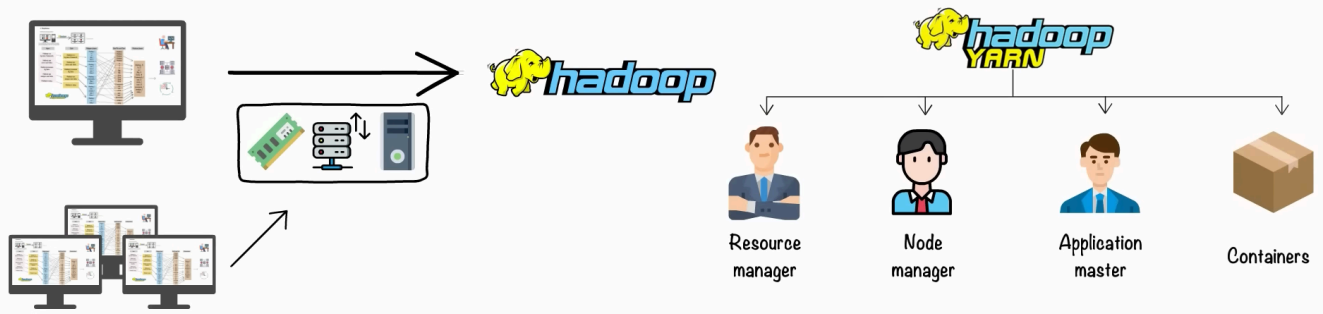
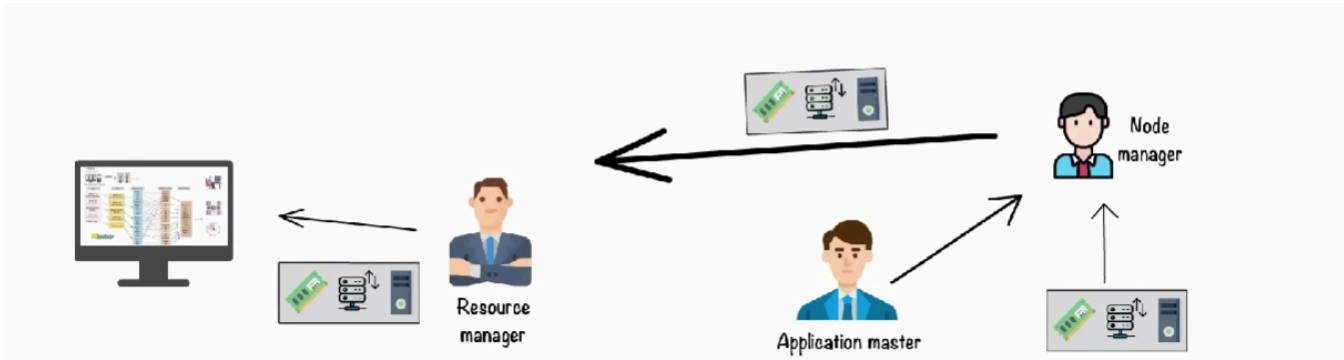


3. YARN





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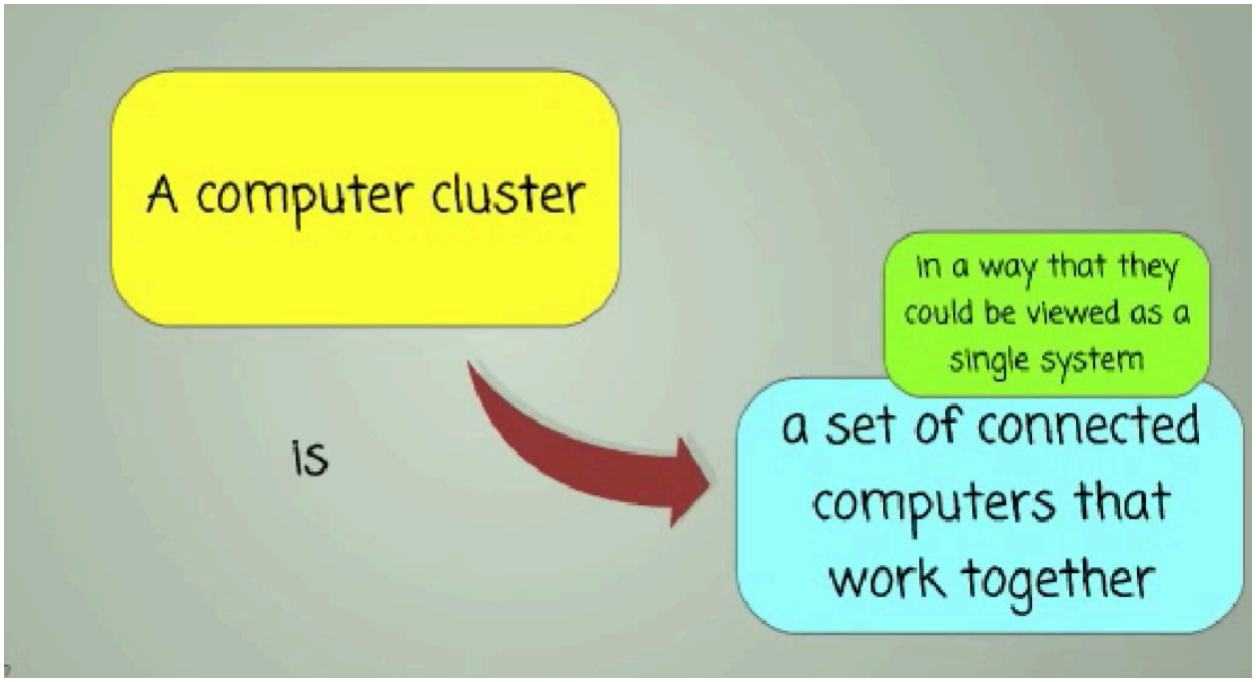
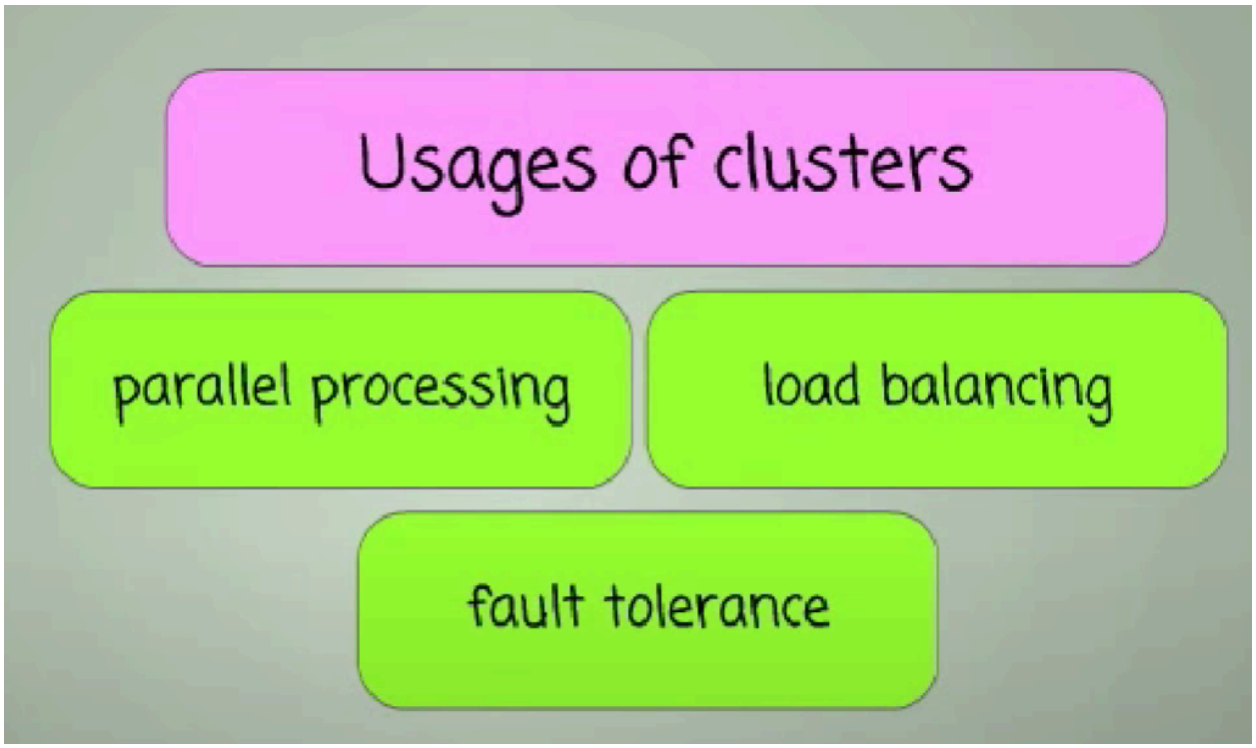
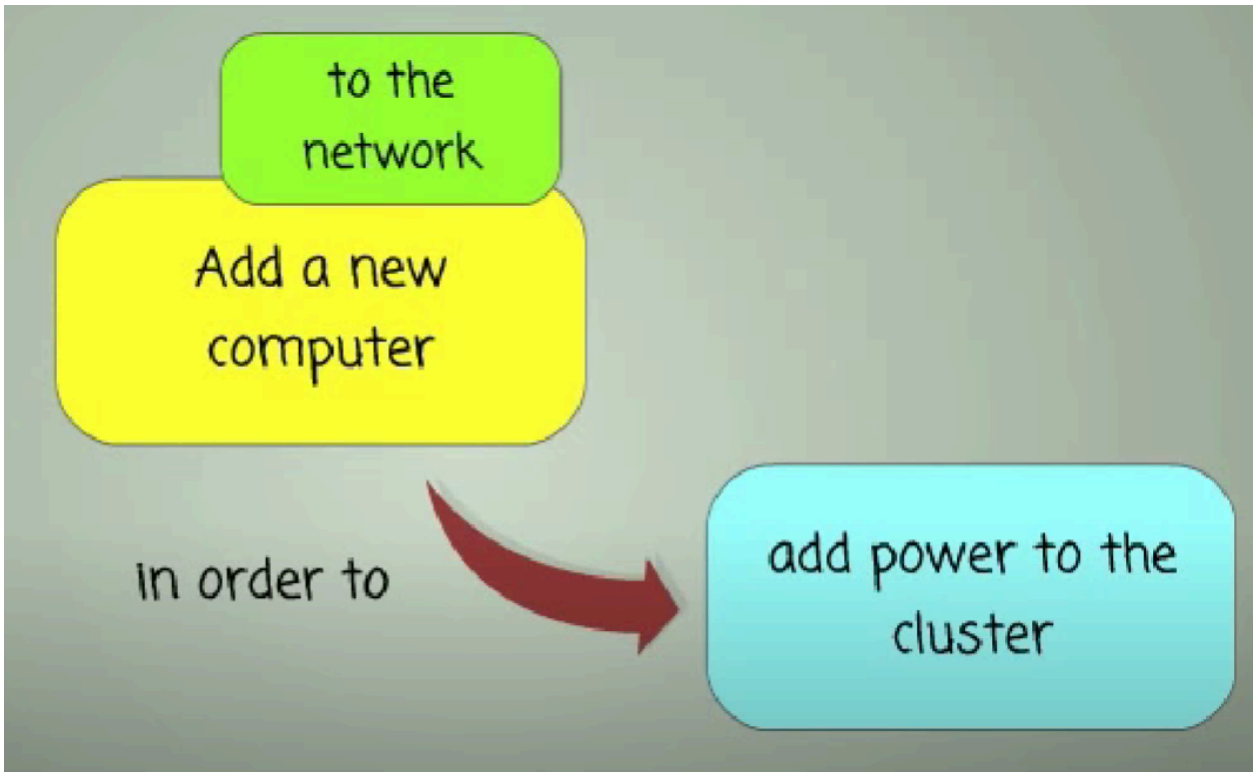
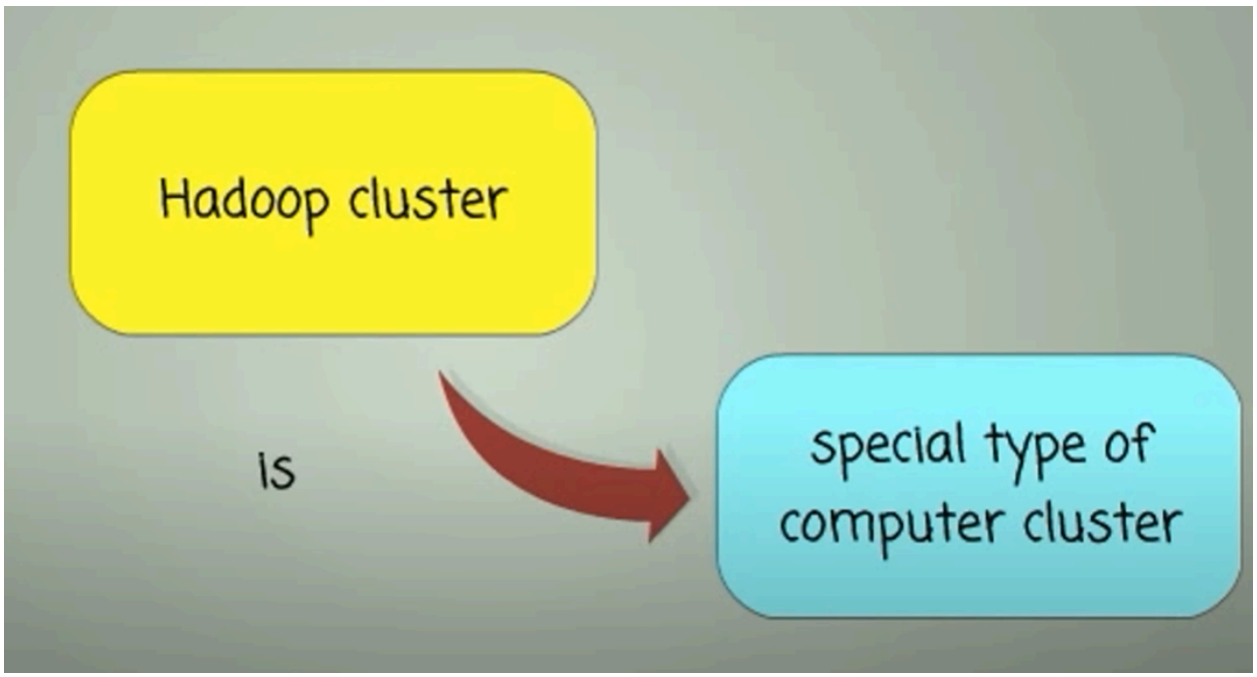
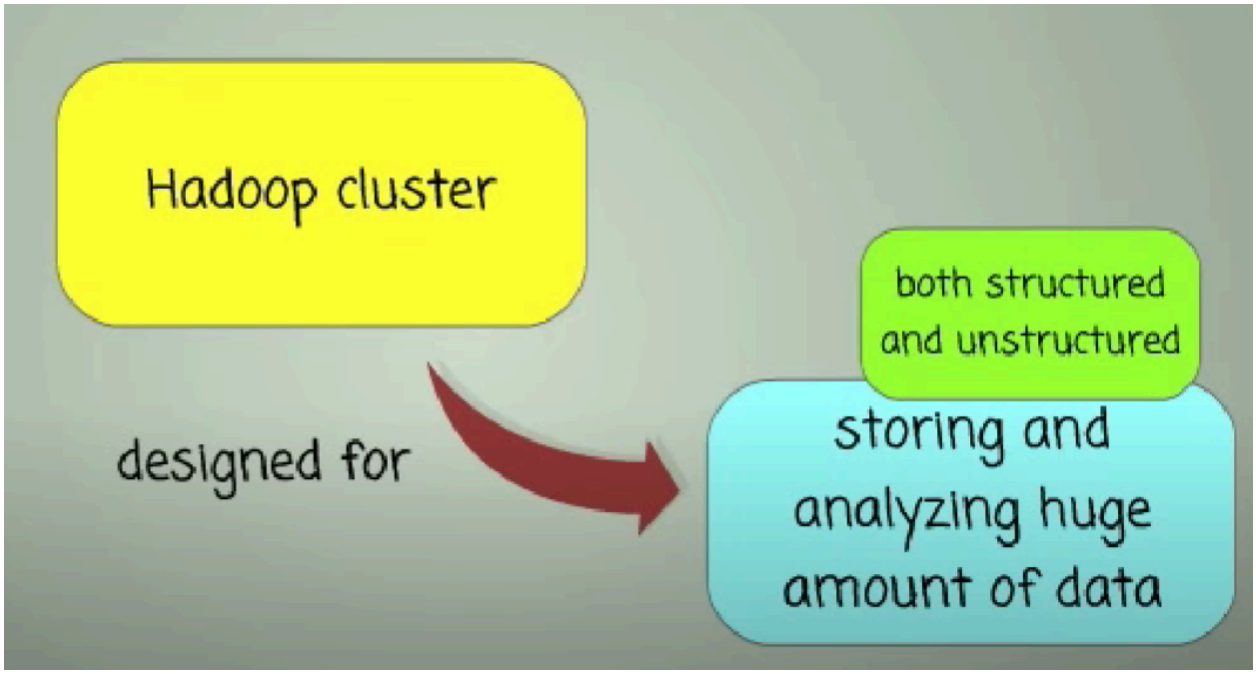
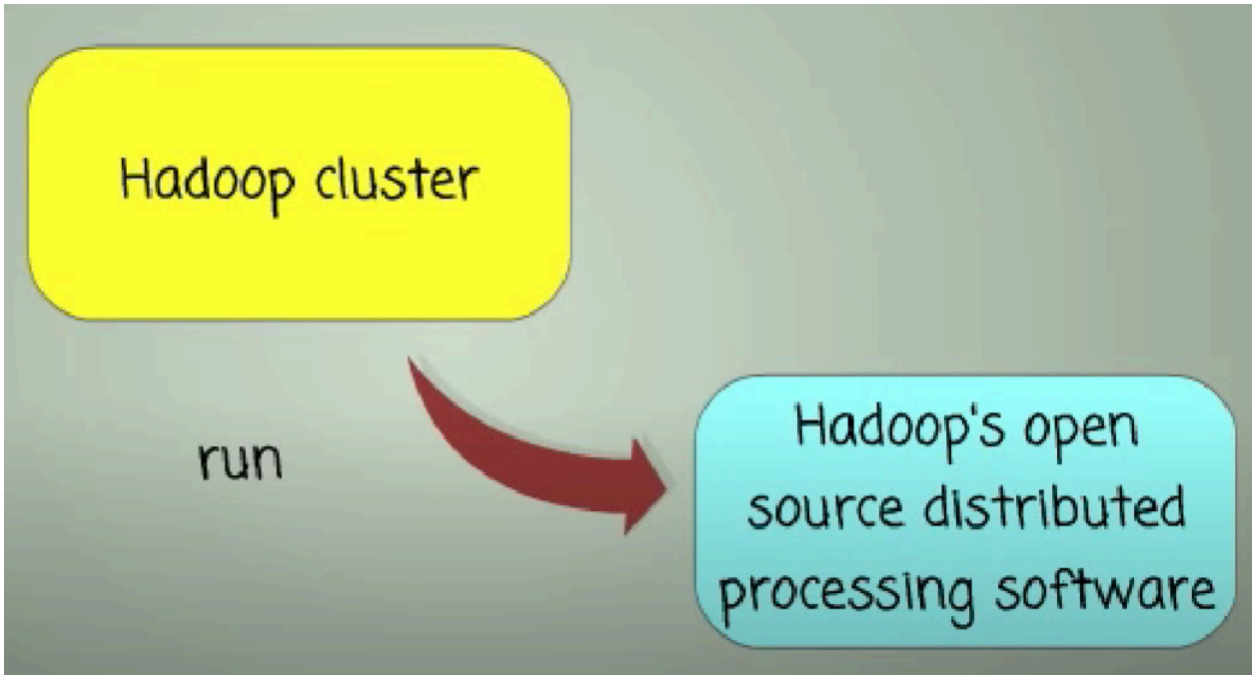

A computer cluster
is
a set of connected computers that work together
in a way that they could be viewed as a single system

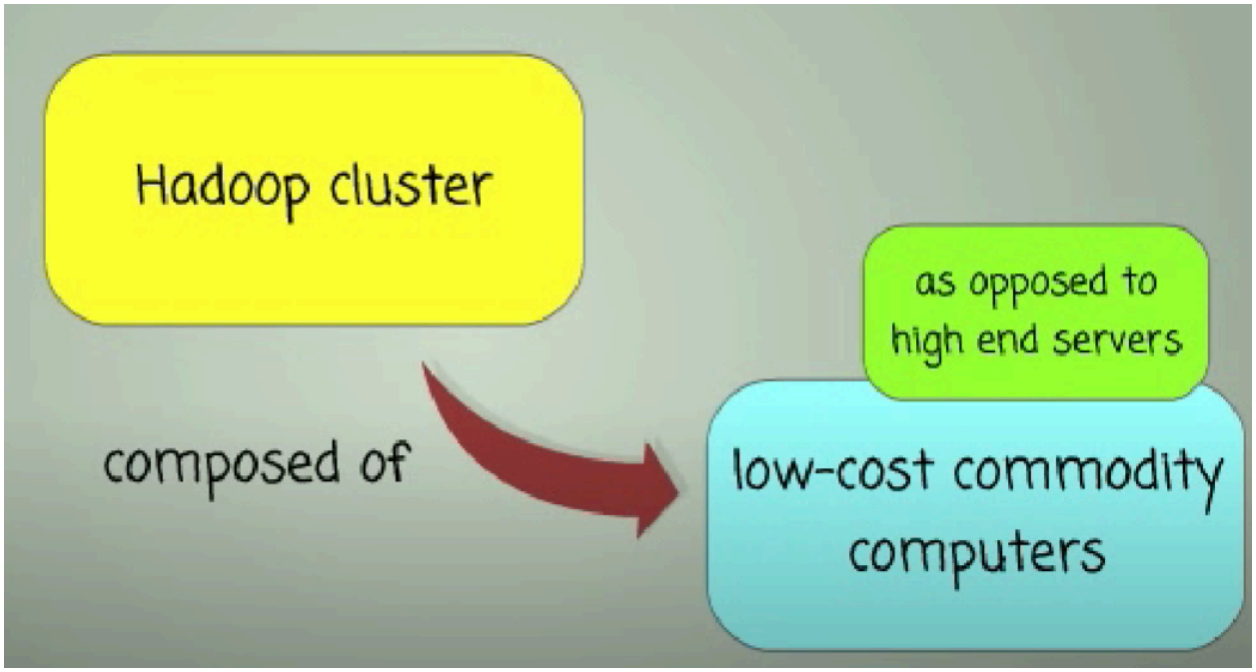

Usages of clusters
parallel processing
load balancing
fault tolerance

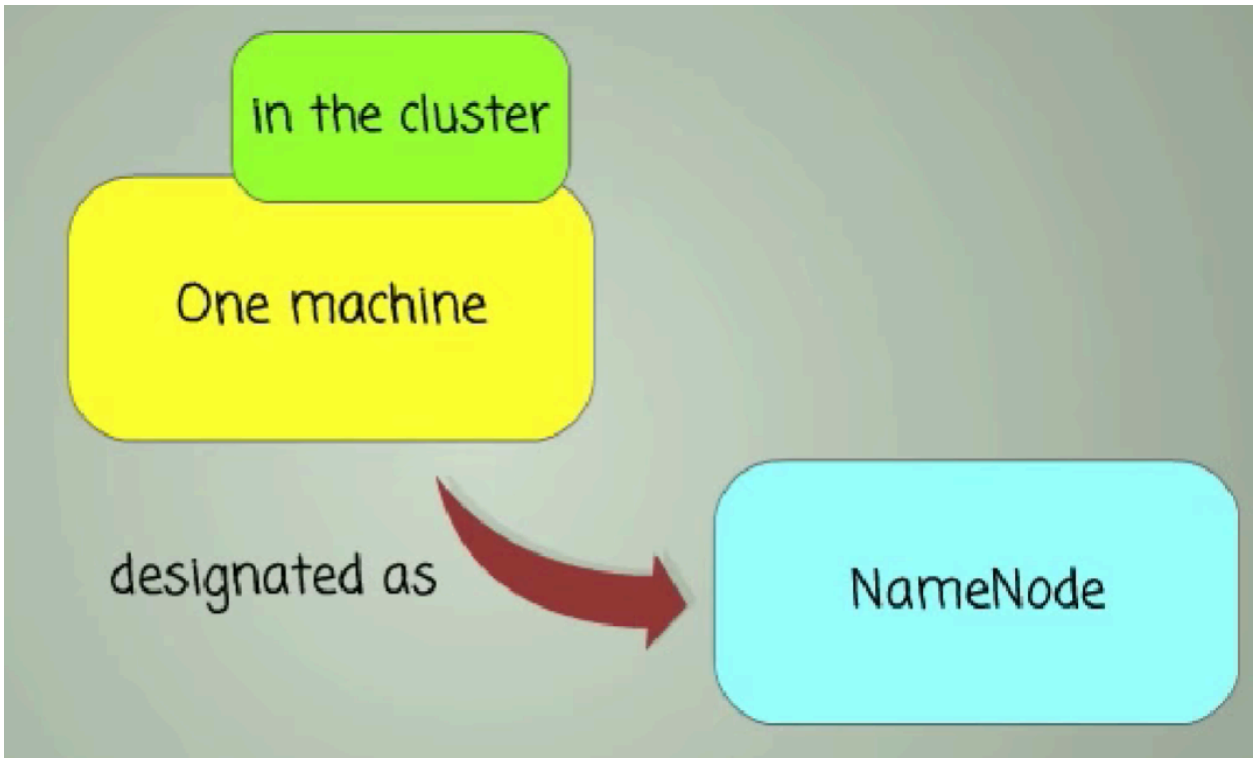

to the network
Add a new computer
in order to
add power to the cluster

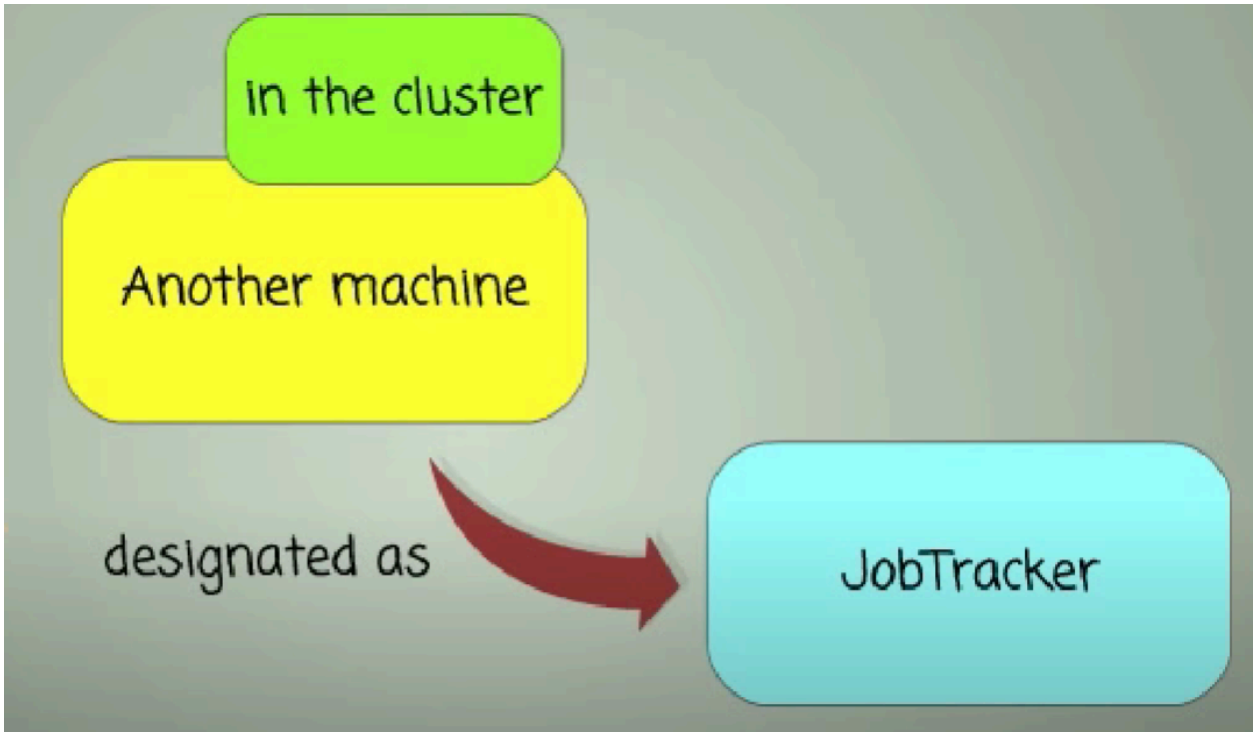

Hadoop cluster
is
special type of computer cluster

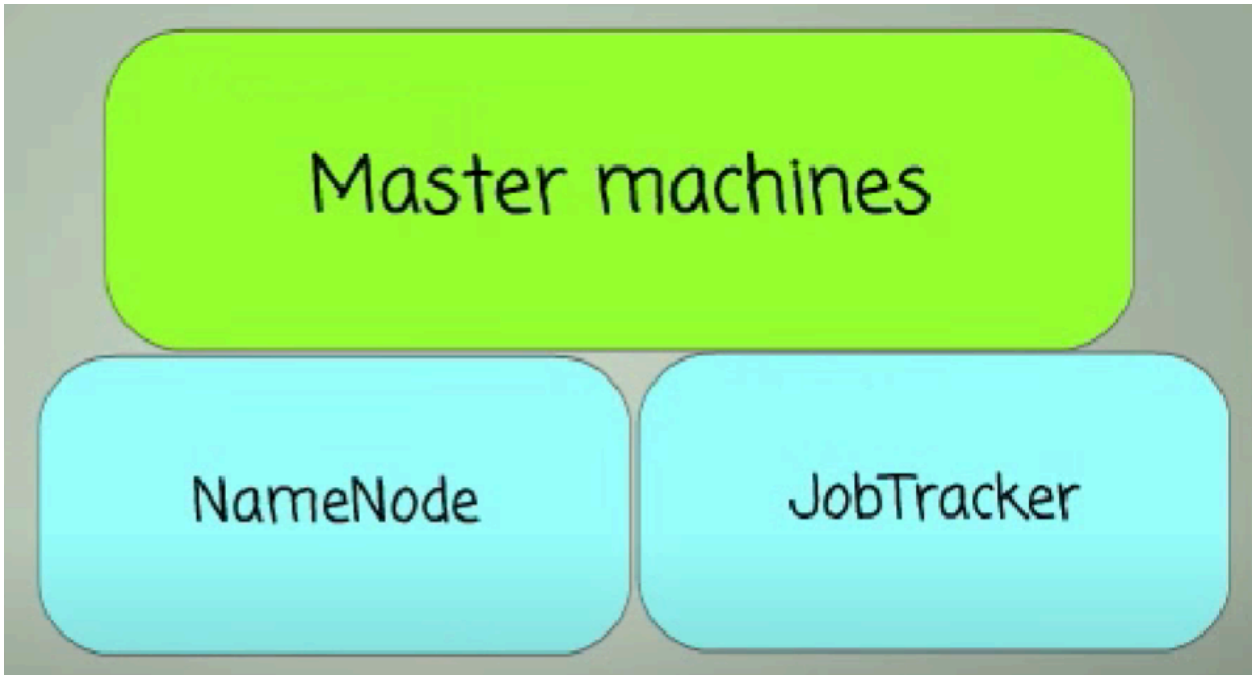

Hadoop cluster
designed for
both structured and unstructured
storing and analyzing huge amount of data

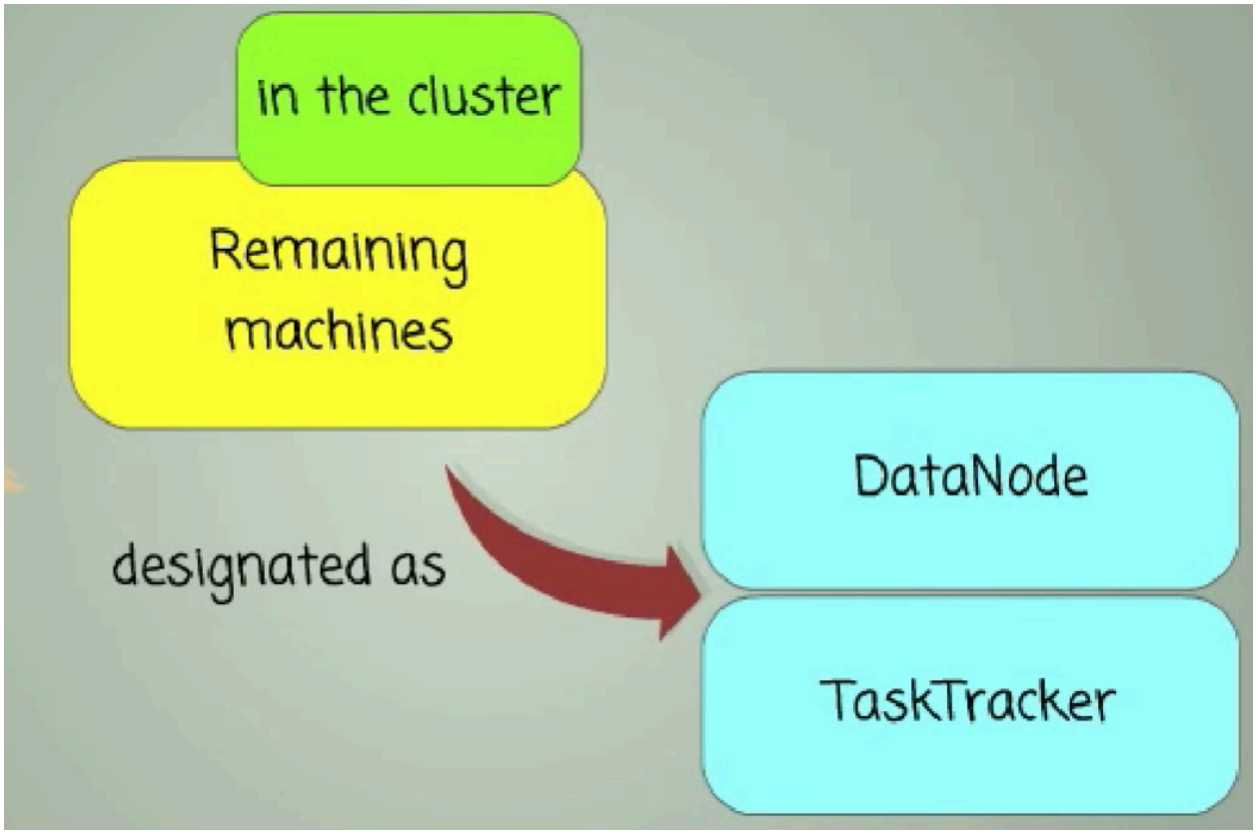

Hadoop cluster
run
Hadoop's open source distributed processing software

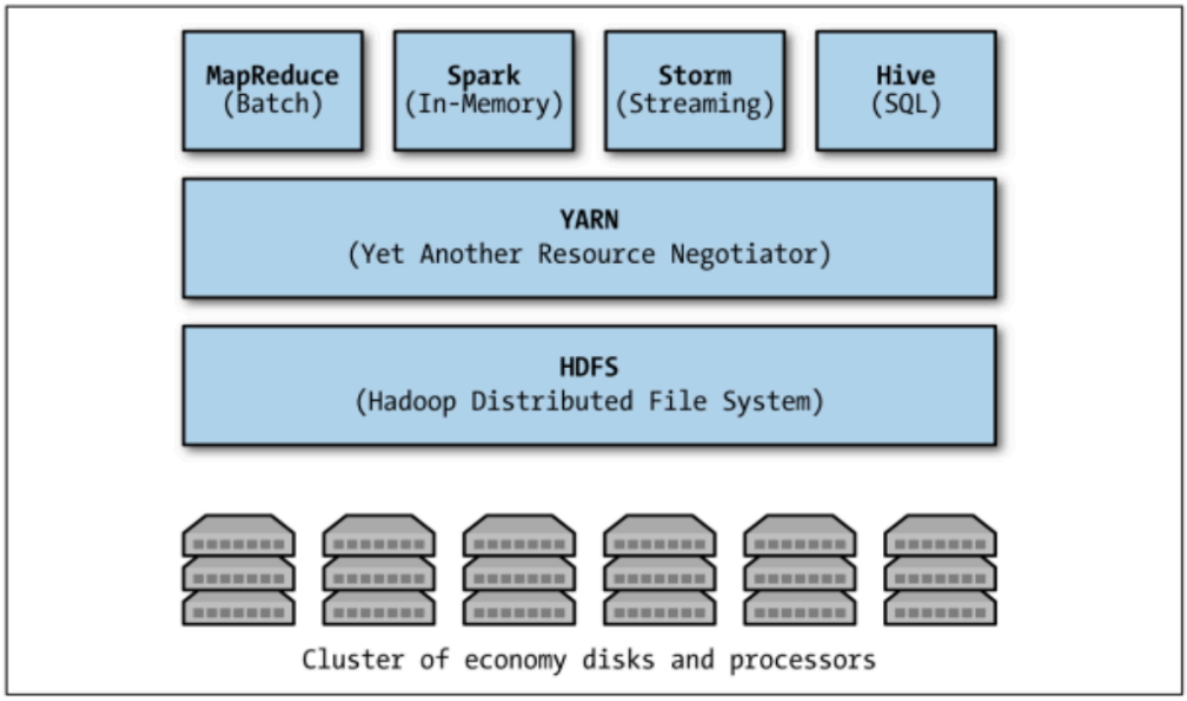

Hadoop cluster
composed of
as opposed to high end servers
low-cost commodity computers


in the cluster
One machine
designated as
NameNode


in the cluster
Another machine
designated as
JobTracker


Master machines
NameNode
JobTracker



https://youtu.be/xd9hLHQrjnM?si=vcFgMBmt3VYQItcZ

Hadoop Architecture