Big Data and Distributed System

gta 5

When the complexity or size of our data increases, we will be needing more resources.

Resources

Single system Monolithic System

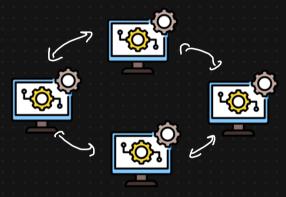


increase the resource mono -> 1

hardware limitation

they are not scalable

Multiple systems Distributed systems



amup of machines -> Cluster

We can add more m/e here as & when required.

True Scaling
$$X \rightarrow 2 \times \rightarrow 10 \times P \rightarrow 2P \rightarrow 10P$$

All good hig dota systems are haved on dishilwed systems.