

Getting Started:

Why Hadoop?

After this video you will be able to..

- Summarize the major goals of the Hadoop Ecosystem
- Look forward to the remaining videos in this Module!

“The Hadoop Ecosystem is great for Big Data”

The 4 W's (and H):

What's in the ecosystem?

Why is it beneficial?

Where is it used?

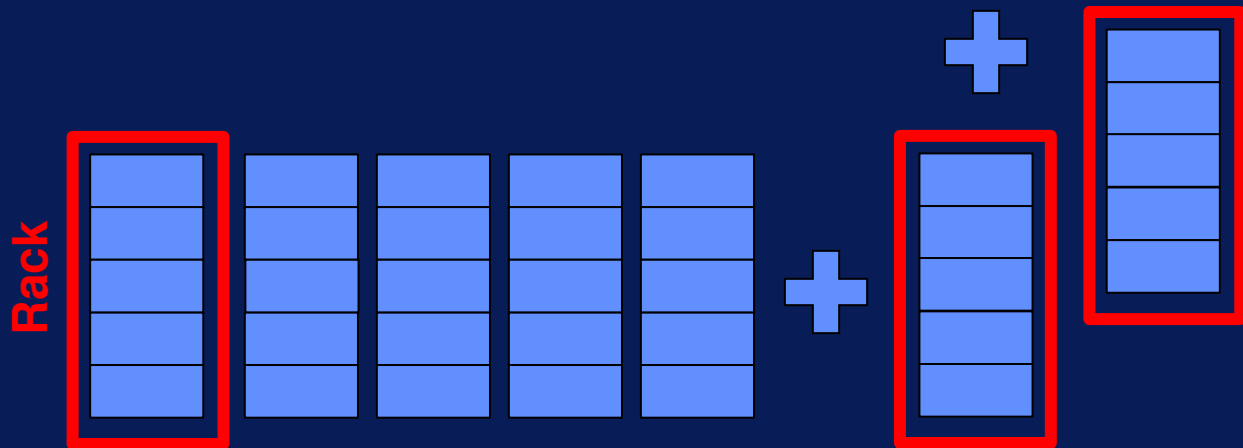
Who uses it?

How do these tools work?

Major Goals

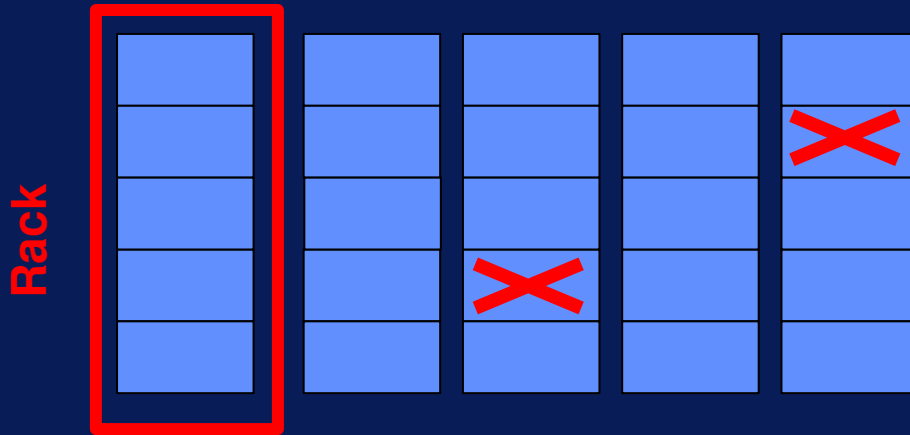
1. Enable Scalability

Commodity hardware is cheap

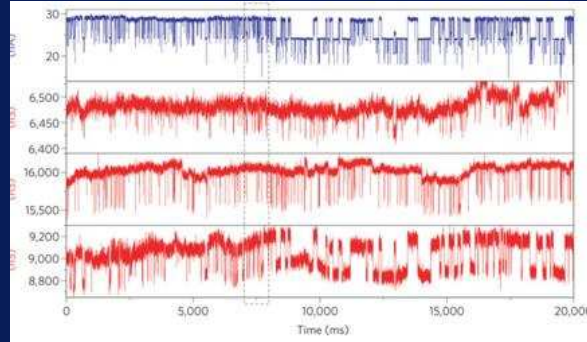
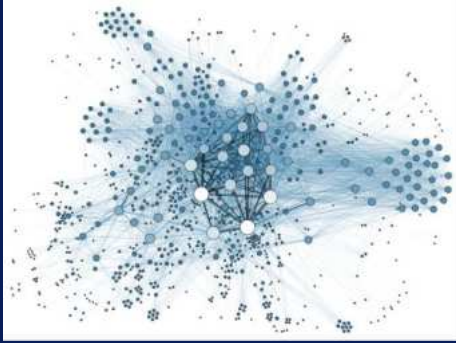


2. Handle Fault Tolerance

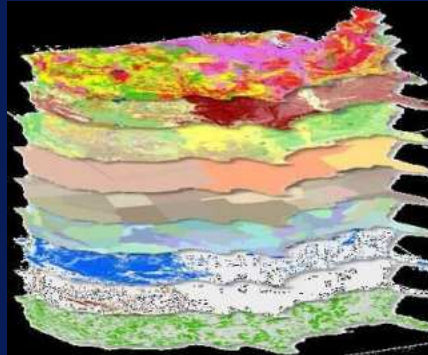
Be ready: crashes happen



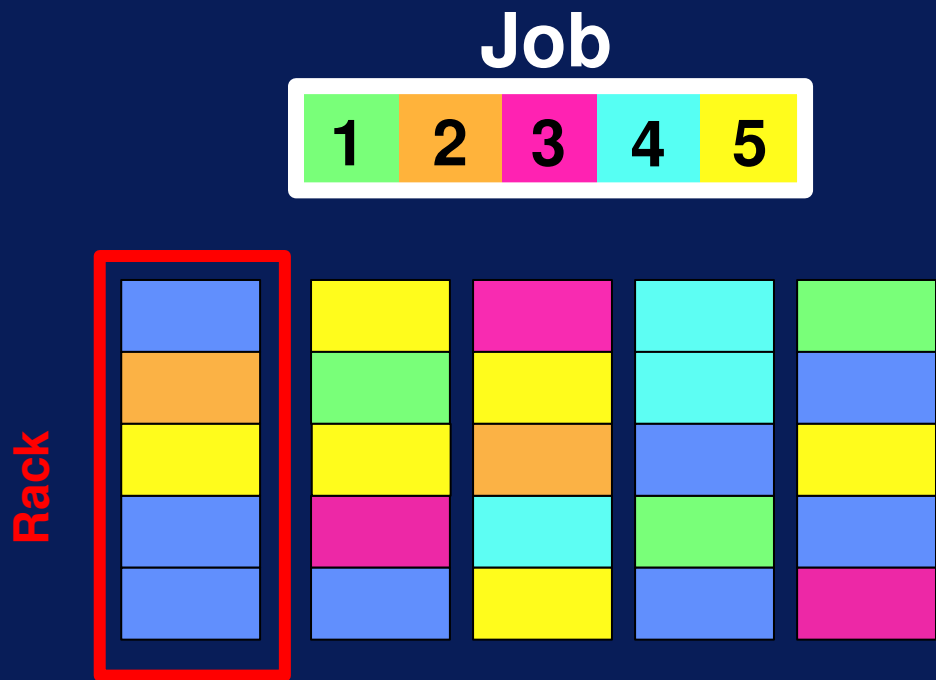
3. Optimized for a Variety Data Types



Cars marketplace				
vendor	Model	Price	Mileage	VIN Code
Chevrolet	Corvette	17226	25965.0	ILLAKAWAZDZ
Chevrolet	Corvette	34229	46429.0	RCNRSRYGXOI
Chevrolet	Corvette	27982	50209.0	NWLGCVEVHGI
Chevrolet	Corvette	51825	72998.0	HGVZSCIZGSM
Chevrolet	Corvette	52845	34364.0	PSDRUYUJIG
Chevrolet	Malibu	37874	37273.0	VLFPQWIEFD
Chevrolet	Malibu	15600	71441.0	EKLJGDWOZSA
Chevrolet	Malibu	52447	46700.0	NJMGJZAKBRC
Chevrolet	Malibu	27129	36254.0	OPFUEBLEHSX
Chevrolet	Malibu	28846	77162.0	WRCOOPPEZLI
Chevrolet	Malibu	46165	60590.0	HUFTTHQHSFJE
Chevrolet	Malibu	18263	37790.0	JLMMHAFSHVU



4. Facilitate a Shared Environment



5. Provide Value

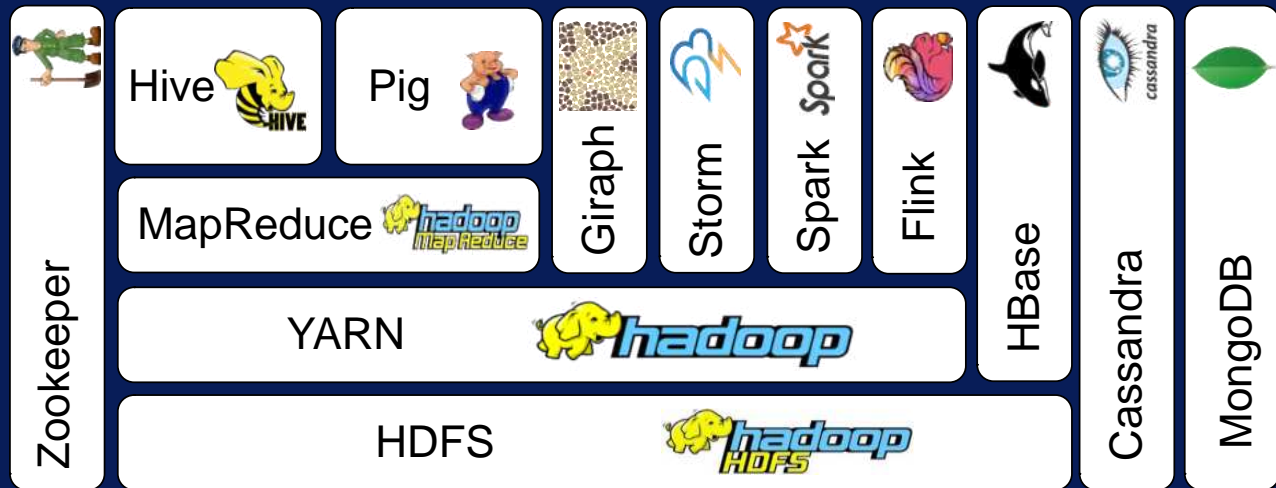
Community-supported

Wide range of applications



The rest of this Module...

The Hadoop Ecosystem



The rest of this Module...

Main Hadoop Components



The rest of this Module...

Cloud Computing

PaaS

SaaS

IaaS



The rest of this Module...

When to use Hadoop?



Hadoop

~~**Hadoop**~~

The rest of this Module...

Exercises

