



# 2012云计算架构师峰会

Cloud Computing Architects Summit China 2012

揭示企业级IT架构转型 分享最新技术的应用落地



# 我们为什么不热衷 OpenStack ?



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# Is the Cloud ready for the Big Data ?



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马云： Upload manufacturers online



范敏： Upload Hotels online



马化腾： Upload People online



张涛： Upload Restaurants online



# What to upload next?

Upload sensor data →

Internet of things

Upload knowledge →

Knowledge graph

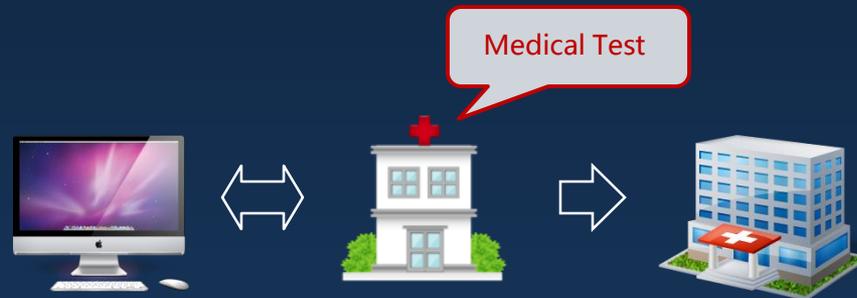
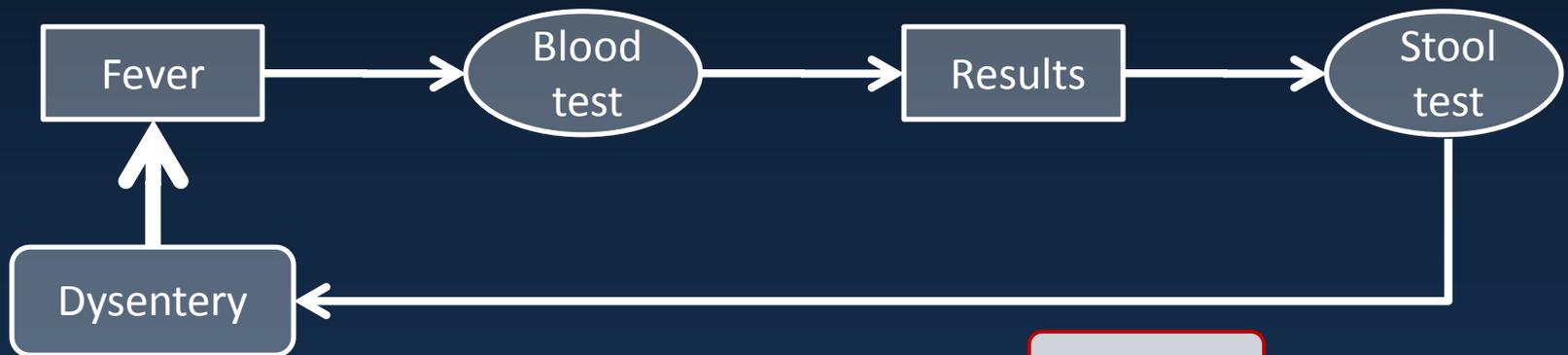
# What to do with the already uploaded content?

Find the content → Search Engine

Find the goods → Recommendation

Find the causality → Diagnosis  
Data + Knowledge

# Knowledge Graph for Diagnosis



# Many Diagnosis Apps

Disease Diagnosis



Financial Fraud



Car Fault

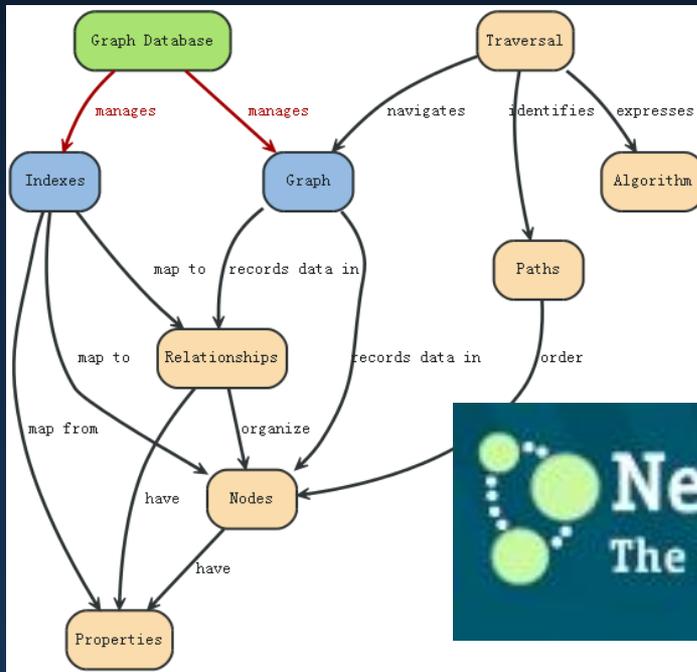


Computer Virus



Is the Cloud ready for  
the Big Data and  
Knowledge Graph ?

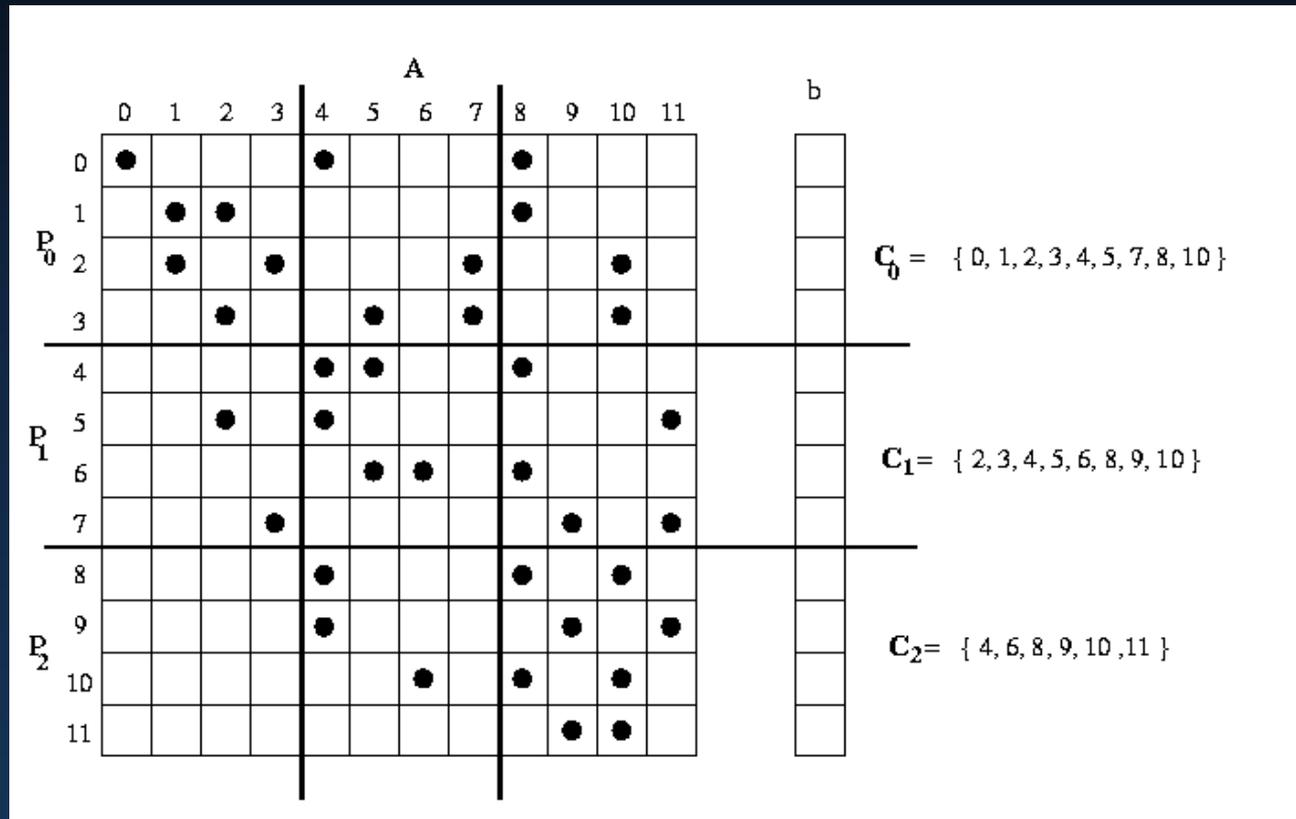
# Is today's Graph Database ready to use?



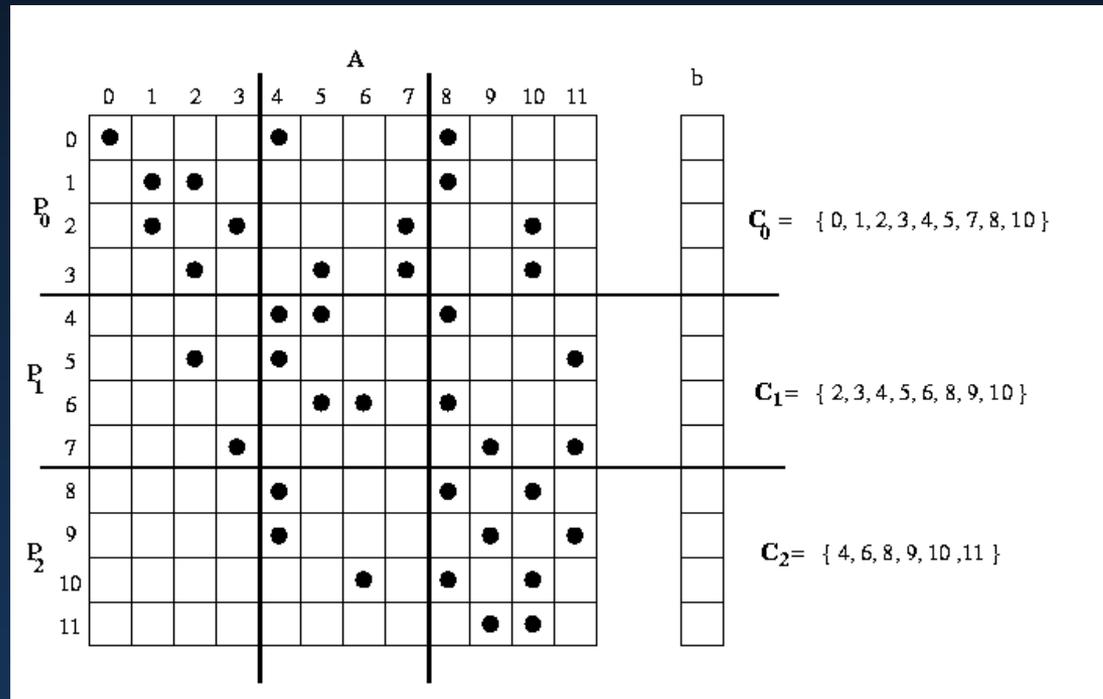
# Does K-V Database fit Knowledge Graph ?

Case	Node	Node	Node	Edge	Edge
Case 1	n1	n2	n3	(n1, n2)	(n2, n3)
Case 2	n1		n3	(n1, n3)	
Case 3		n2	n3		(n2, n3)

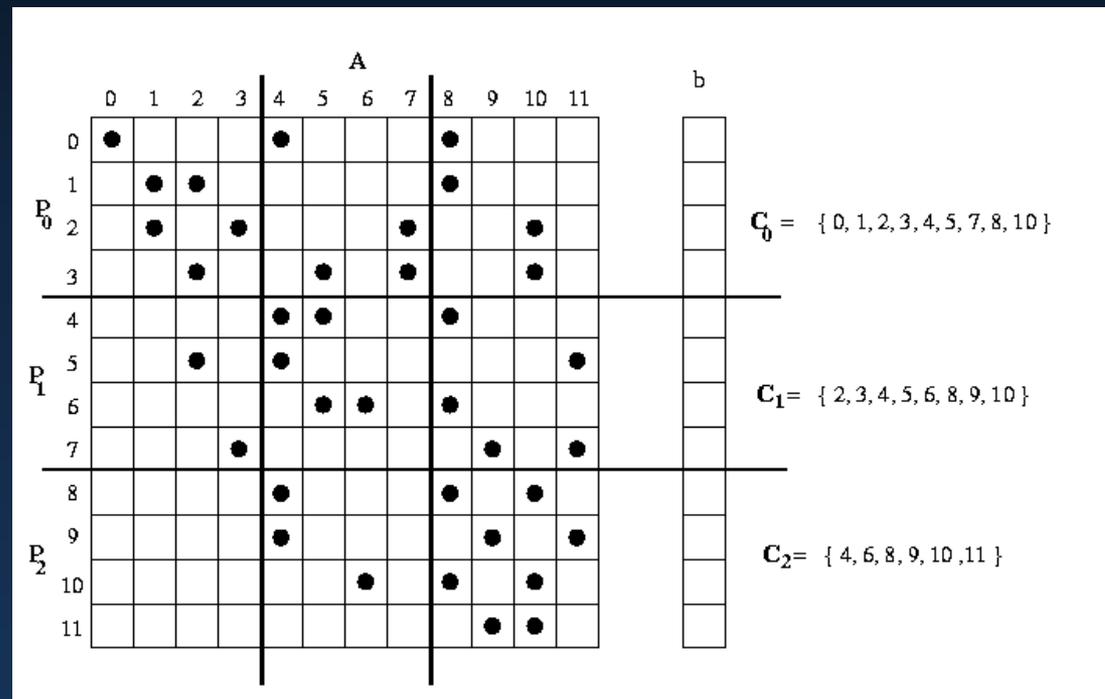
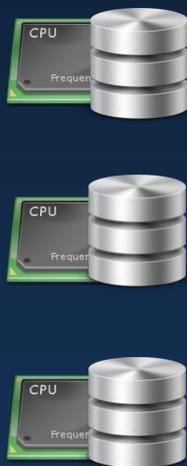
# Clustering of Sparse Graph



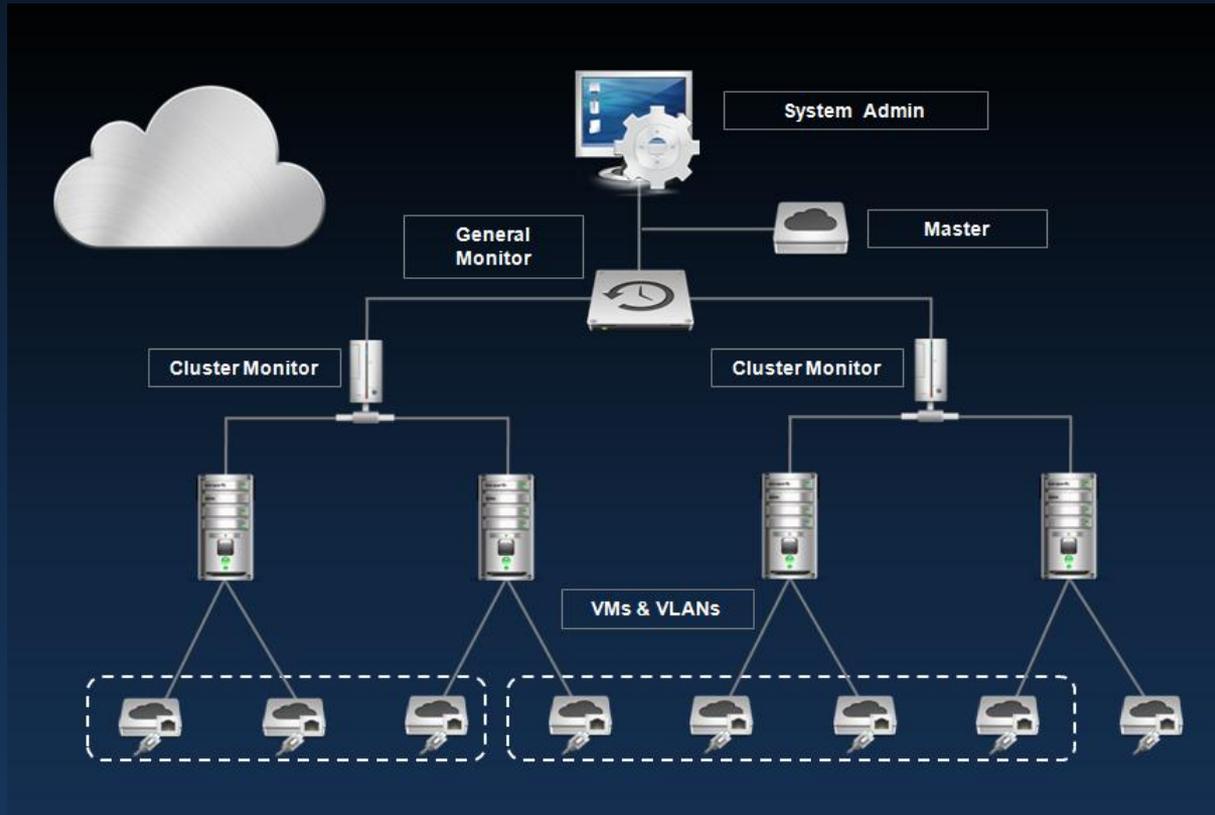
# Distributed Database for Sparse Graph



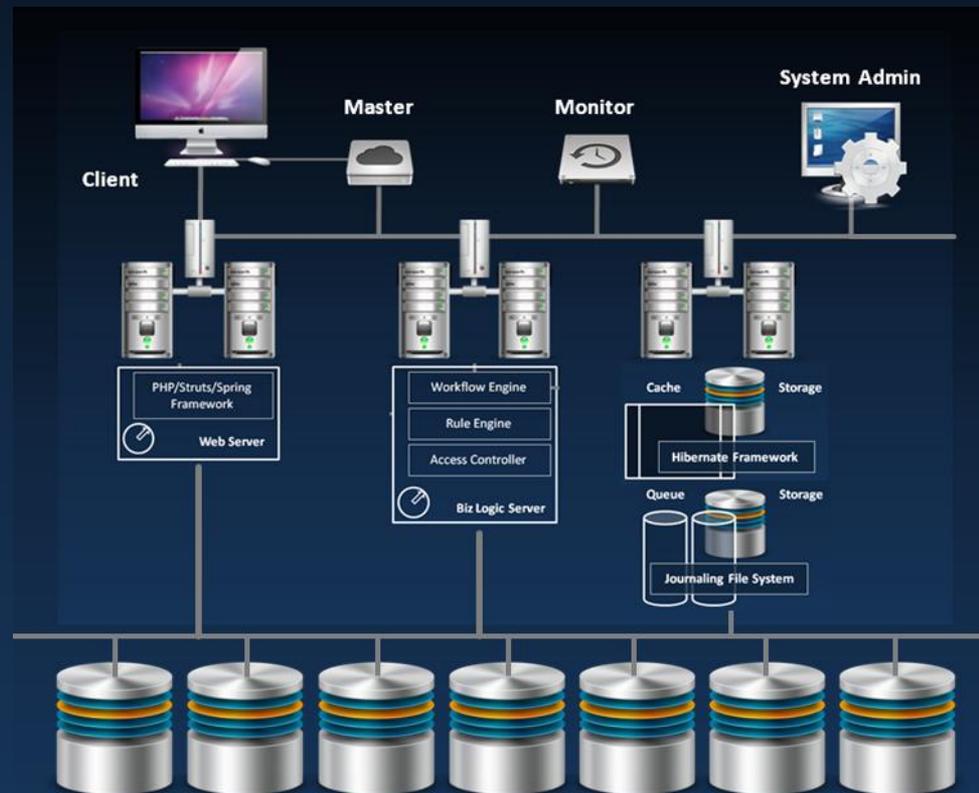
# Dispatch Computing close to the Data



# Scheduling the Intense Computing



# Integrate the Knowledge System



*Q&A*