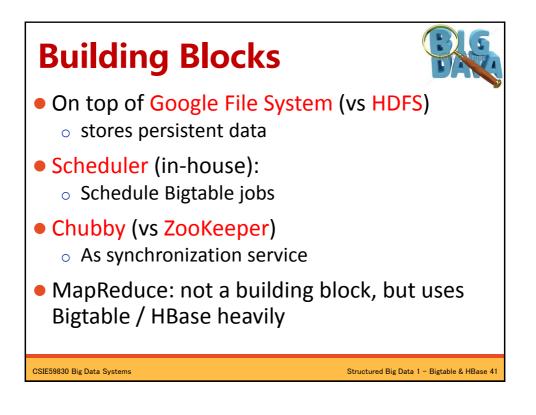
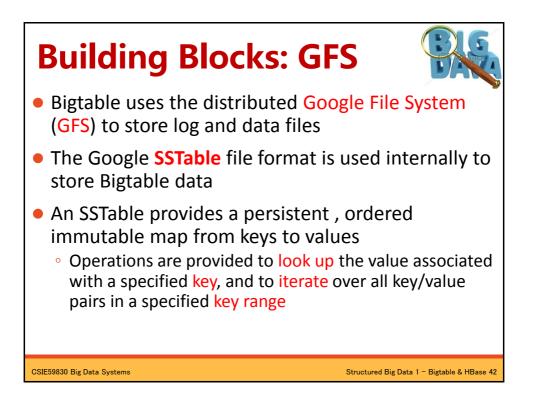
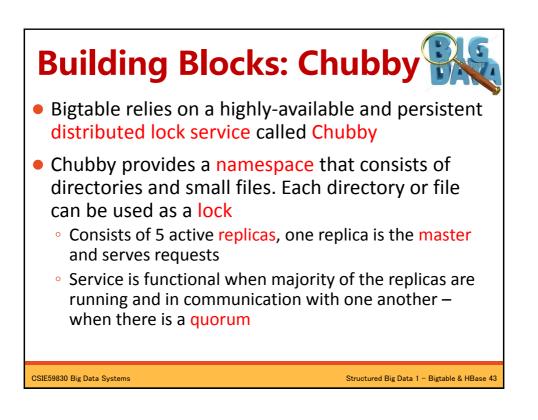


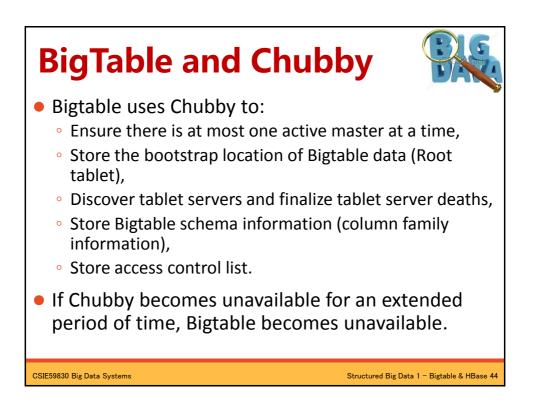
## **Google Applications using BigTable**

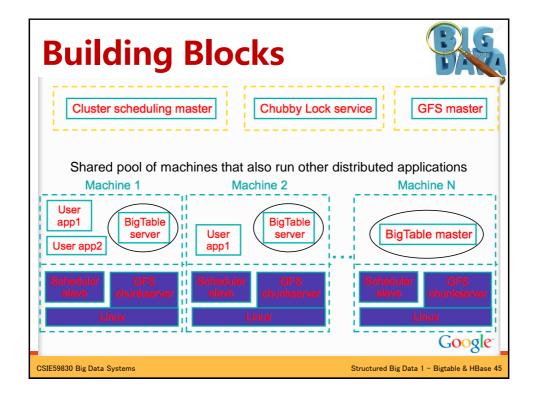
Project name	Table size (TB)	Compression ratio	# Cells (billions)	# Column Families	# Locality Groups	% in memory	Latency- sensitive?
Crawl	800	11%	1000	16	8	0%	No
Crawl	50	33%	200	2	2	0%	No
Google Analytics	20	29%	10	1	1	0%	Yes
Google Analytics	200	14%	80	1	1	0%	Yes
Google Base	2	31%	10	29	3	15%	Yes
Google Earth	0.5	64%	8	7	2	33%	Yes
Google Earth	70	-	9	8	3	0%	No
Orkut	9	-	0.9	8	5	1%	Yes
Personalized Search	4	47%	6	93	11	5%	Yes
							·
CSIE59830 Big Data Syste	ms				Structured Bi	g Data 1 - Big	table & HBas

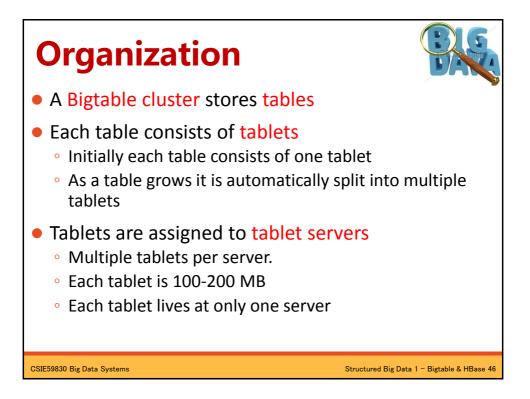


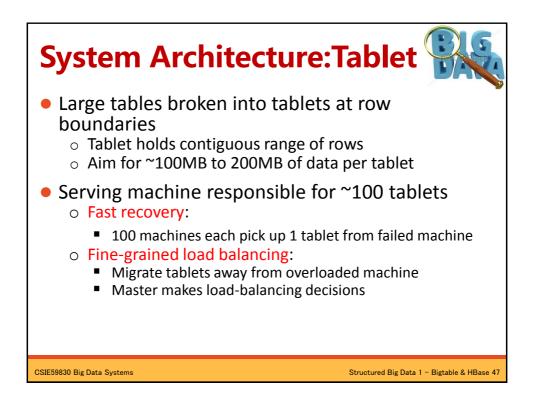


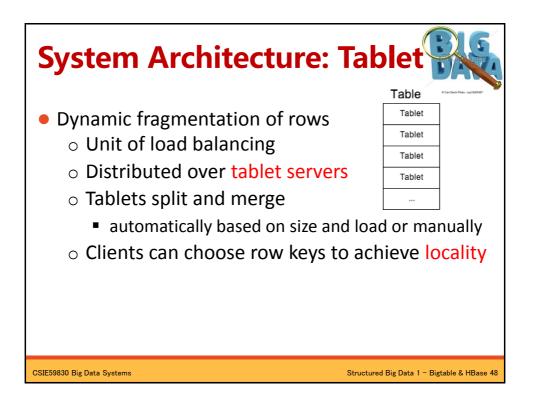


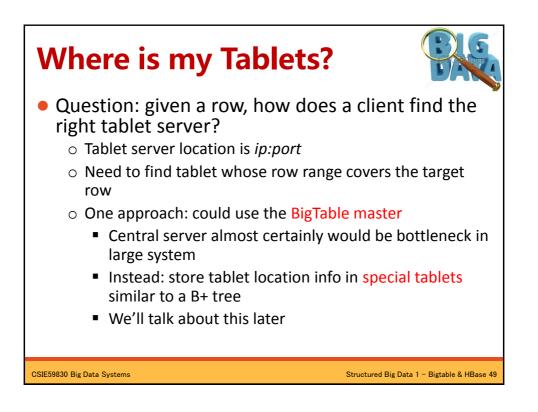


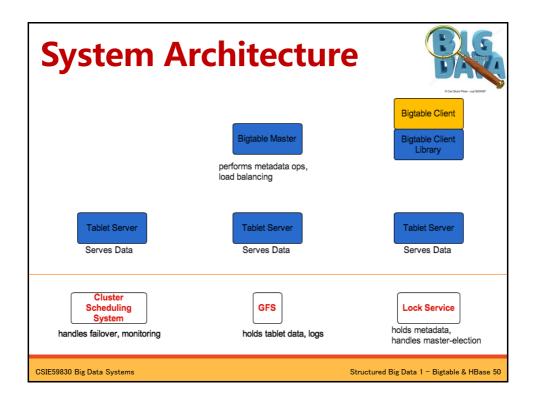


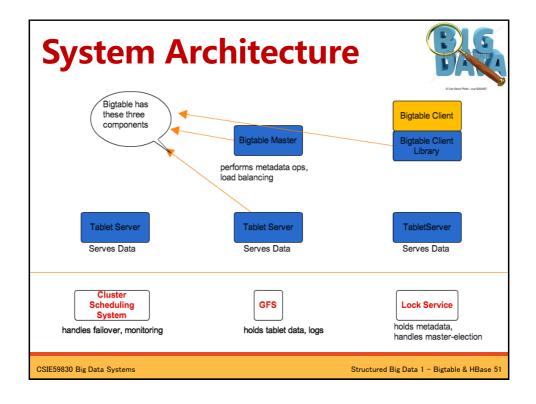


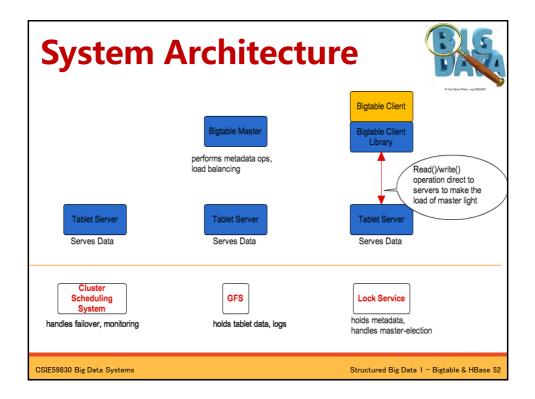


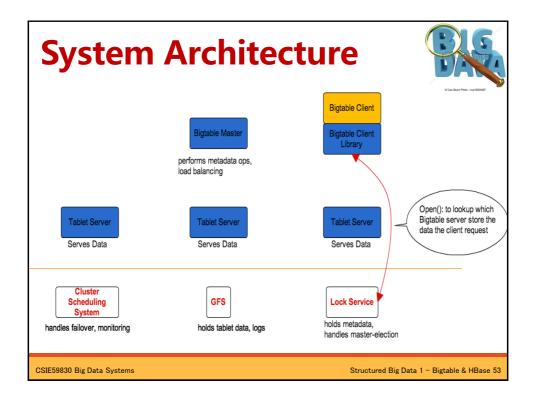


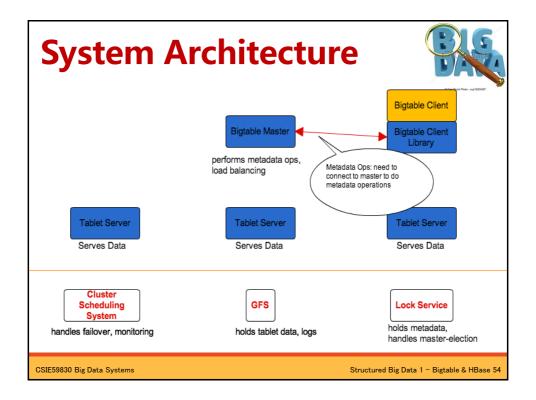


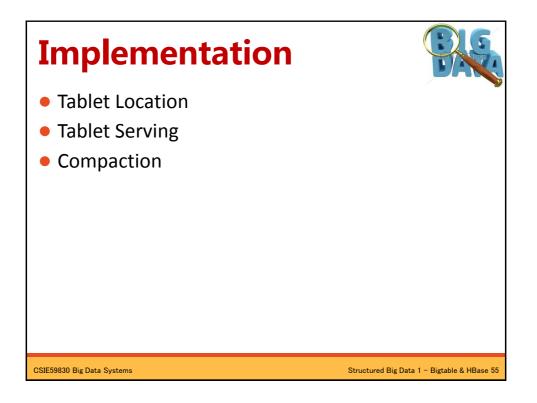


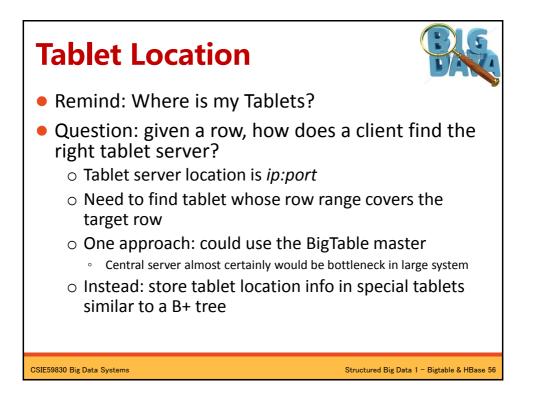


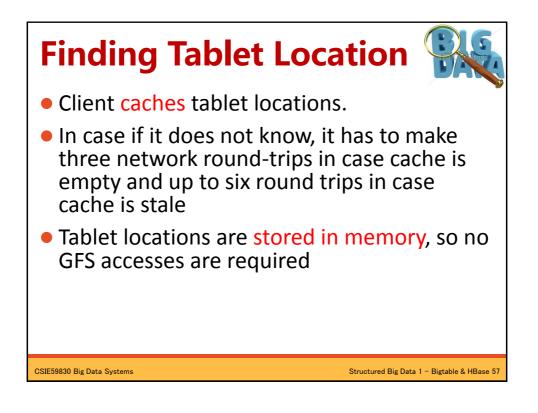


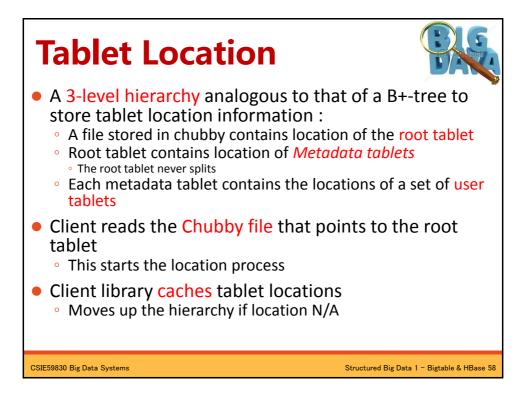


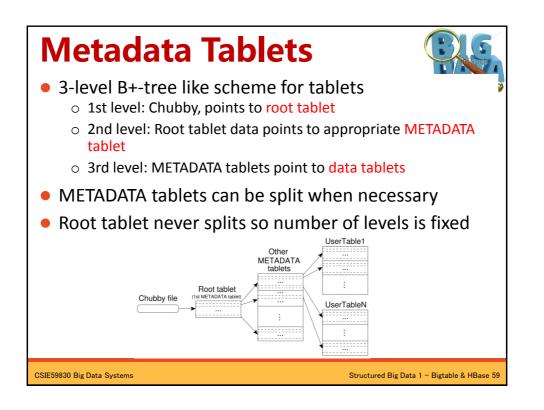


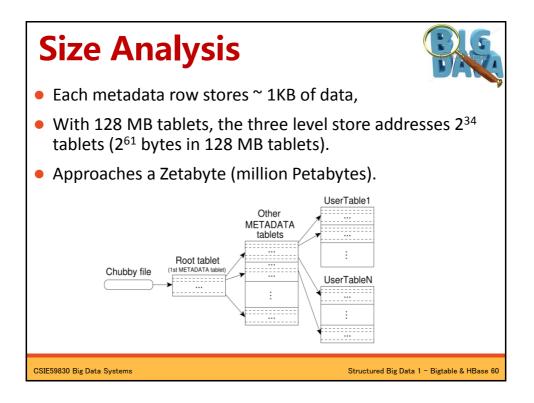


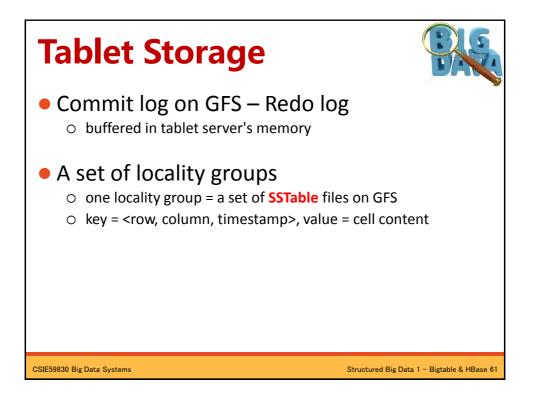


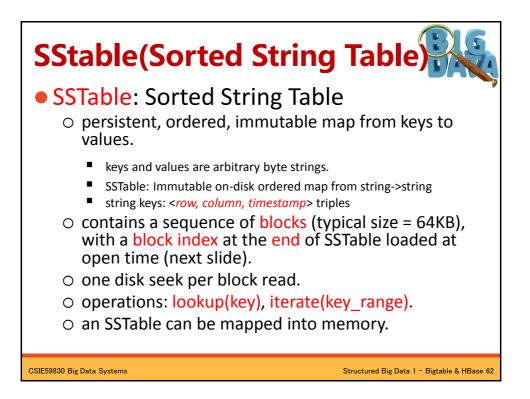


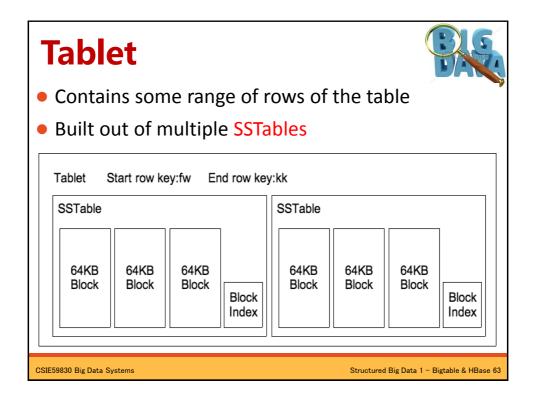


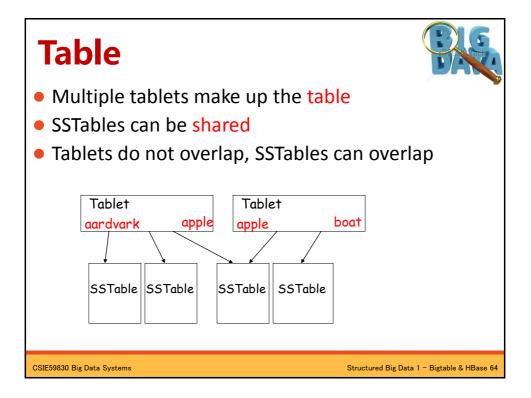












System A Locate Ta	Architecture ablet	
	Bigtable Master performs metadata ops, load balancing	Bigtable Client Bigtable Client Library
Tablet Server   Serves Data	Tablet Server Serves Data	Tablet Server get the tablet   Serves Data chubby
Cluster Scheduling System handles failover, monitoring	GFS holds tablet data, logs	Lock Service holds metadata, handles master-election
CSIE59830 Big Data Systems		Structured Big Data 1 - Bigtable & HBase 65

