COUCHE SIMULATION

server-01	server-02	server-03	server-04	server-05	server-06	server-07	server-08	server-09	server-10
Thread 1	Thread 2	Thread 3	Thread 4	Thread 5	Thread 6	Thread 7	Thread 8	Thread 9	Thread 10
88k logs	*88k logs*	*88k logs*	*88k logs*	*88k logs*	*88k logs*	*88k logs*	*88k logs*	*88k logs*	*88k logs*

COUCHE MESSAGING (Kafka)

Topic: kubernetes-logs

Partition 0	Partition 1	Partition 2
server-01	server-02	server-03
server-04	server-05	server-06
server-07	server-08	server-09
server-10		

COUCHE TRAITEMENT (Spark Streaming)

Spark Consumer (micro-batch 10s)

Executor 1	Executor 2	Executor 3
Part. 0	Part. 1	Part. 2

DataFrame Operations: Parse JSON • Validate • Aggregate • Detect Anomalies

COUCHE STOCKAGE

HDFS/S3	Database	Dashboard
Raw logs	*Aggregates*	*Real-time*