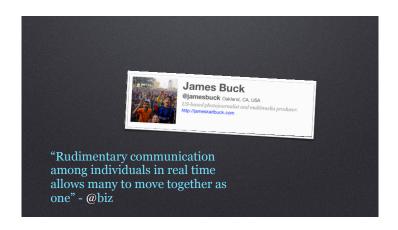




TO START... WHAT'S A TWEET?









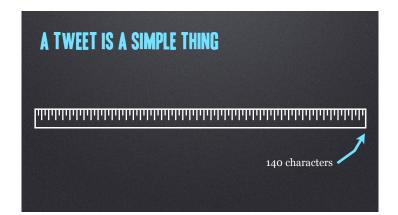


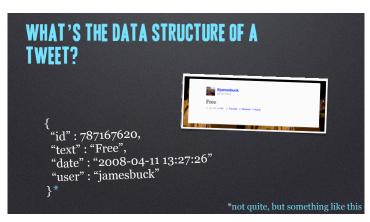


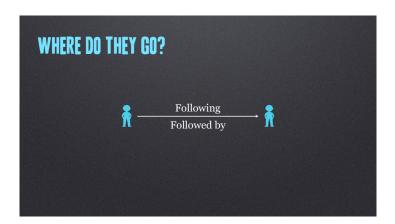


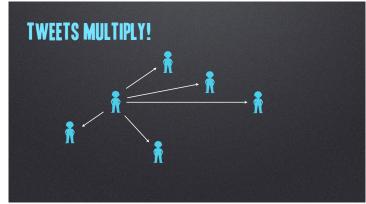
HOW DOES TWITTER WORK?

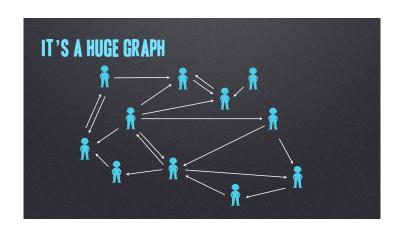
TWITTER IS JUST A "STRUCT", A GRAPH, & A LIST











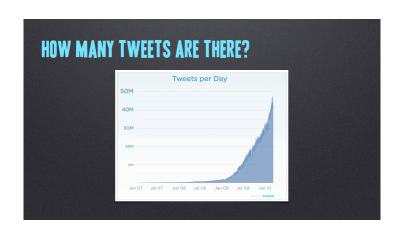


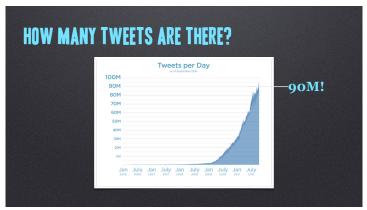


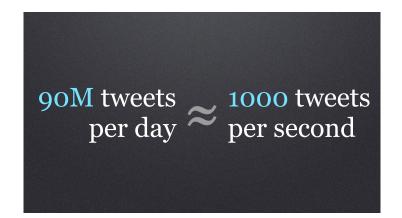
IS THAT IT? ... YES! ... SORTA ...

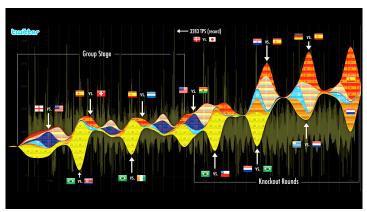
THINGS GET MORE COMPLICATED AT SCALE

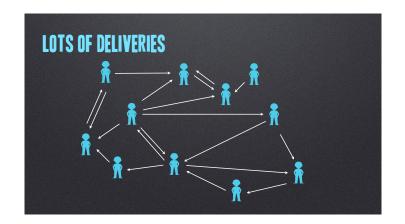
AND SCALING REAL-TIME IS HARD









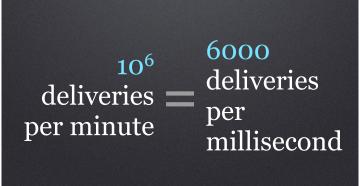






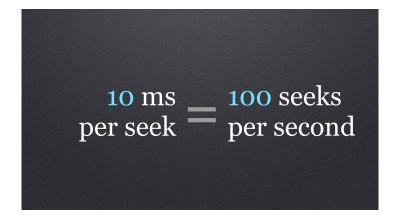






A SYSTEM IS ONLY AS STRONG AS ITS WEAKEST LINK





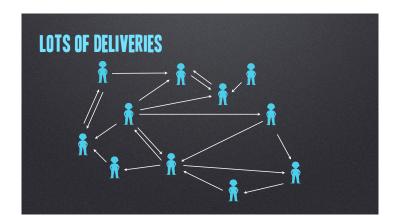


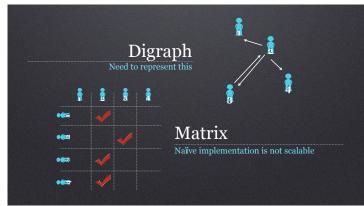
```
HOW BIG ARE THEY?

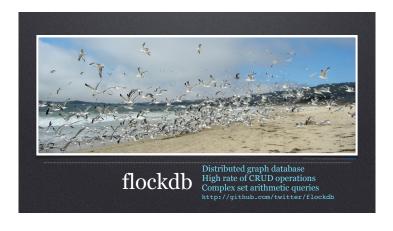
1 tweet text = 140 characters

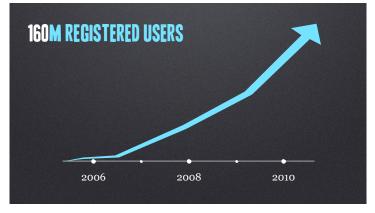
200 bytes
```

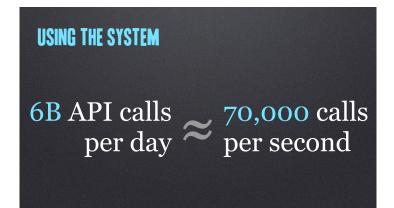
```
1000 tweets
per second ≈ 195 KB/sec
≈ 11 MB/min
≈ 16 GB/day
```

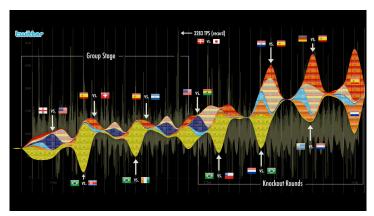












## WHERE DO WE WANT TO BE?

Today - 160M people generate  $\sim$ 1000 TPS Tomorrow - we want to support half the world and all its devices (right now, there are 6B people and 5B phones)

