SIMPLE

REAL TIME ANALYTICS

WITH MONGODB

INSPIRED BY

http://hummingbirdstats.com/



MORE AT

https://devcenter.heroku.com/articles/realtime-polyglot-app-node-ruby-mongodb-socketio





STEPS

- Make a capped collection
- Put stuff in
- Query it with a tailable cursor
- See stuff come out
- Send it somewhere useful

MAKE A CAPPED COLLECTION

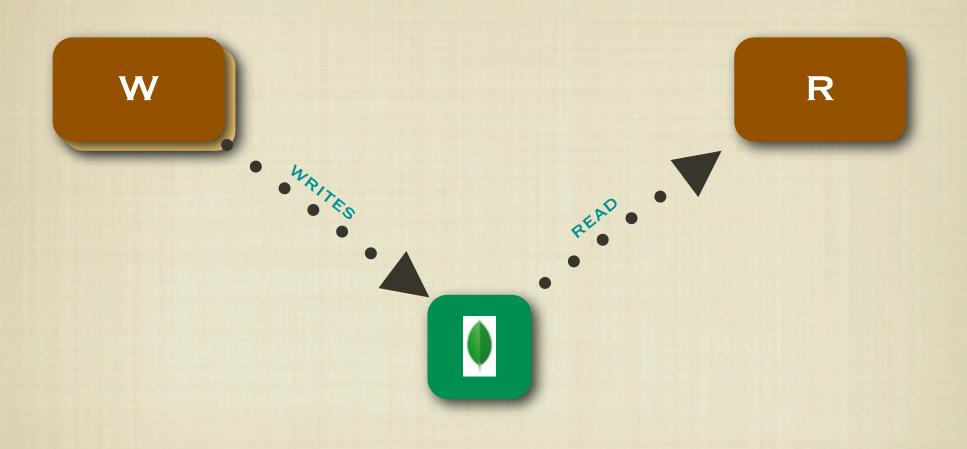
- Loop-around writes
- A few constraints
 - can't delete
 - can't do collection.remove()
 - can't grow doc size
 - by default no _id index
 - no _id uniqueness

THE TAILABLE CURSOR

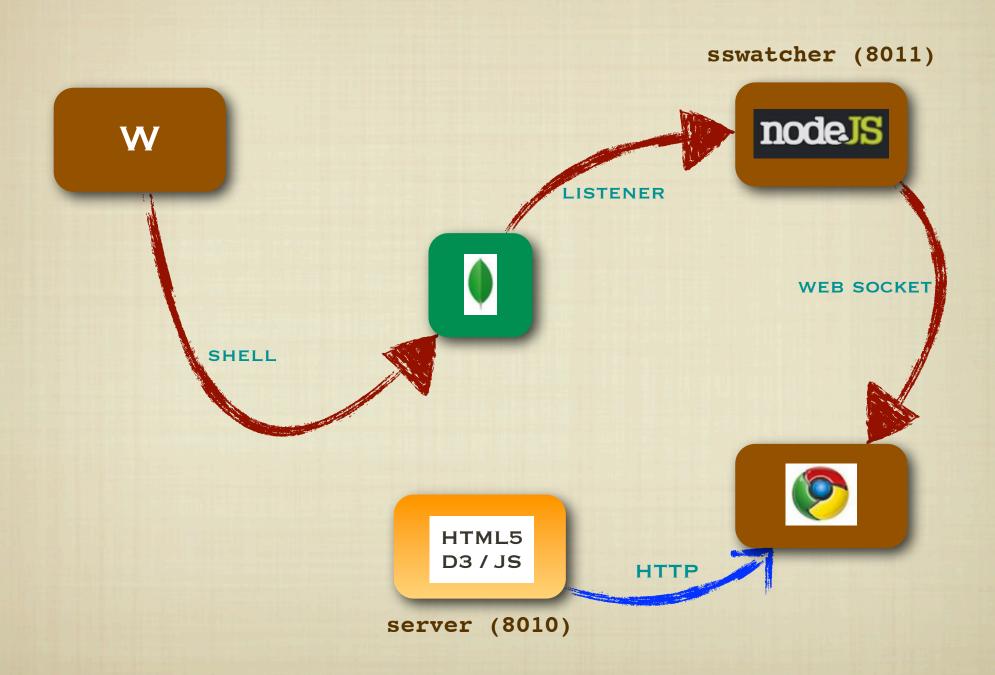
THE TAILABLE CURSOR

```
c = db.collection.find({})
             .addOption(2) // tailable
             .addOption(32); // wait
for(i=0;i<5;i++) {
     while(c.hasNext()) {
           var doc = c.next();
           printjson( doc );
```

PUT STUFF IN / GET STUFF OUT



SEND IT SOMEWHERE USEFUL



CAPPED COLLECTION EXEMPLAR

- Replica Set
- Powered by the Oplog
- Knows All Sees All

SEE ALL

