

# Eventual Consistency in Cassandra and DynamoDB

- Only one version of each data item (key-value pair)
- Last-write-wins (LWW)
  - Timestamp, typically based on *physical time*, used to determine whether to overwrite

```
if(new write's timestamp > current object's timestamp)
    overwrite;
else
    do nothing;
```
- With unsynchronized clocks
  - If two writes are close by in time, older write might have a newer timestamp, and might win