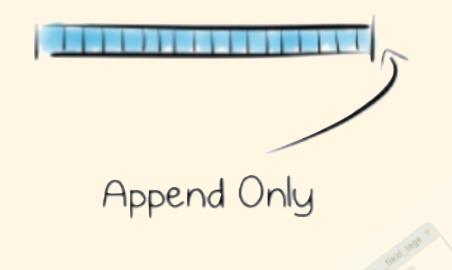


log-structured data, minimizing locks



What is log-structured data?

Append-only tables vs mutable tables

> Mutable example

User	Balance	
Alice	52	
Bob	21	

> Log-structured example (immutable, append-only)

Timestamp	User	Transfer
1500000001	Alice	+100
1500000002	Alice	- 50
1500000003	Bob	+ 2

Totals are derived from sum of rows for a given user