

CSE 452

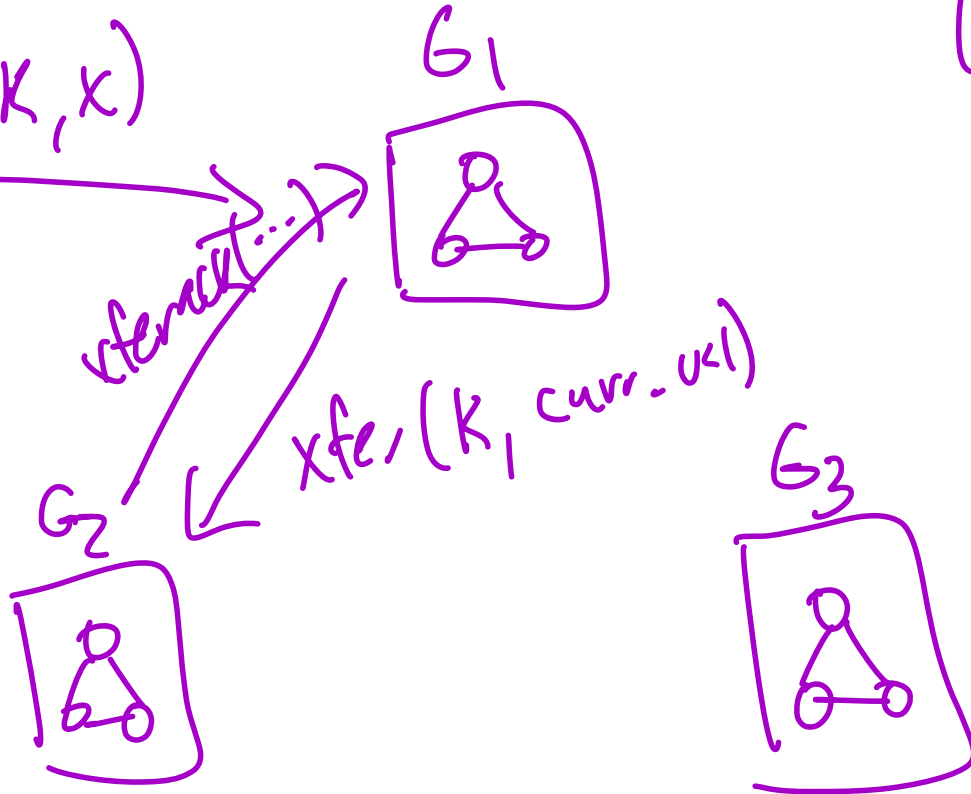
Distributed Systems


More Partitioning

Query(-1)

Query(n) gets config n

Client  $\xrightarrow{\text{app}(k, x)}$



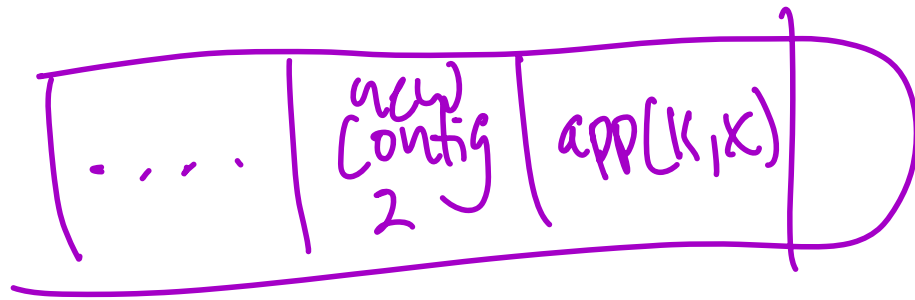
 Shard Master  
shards  $\rightarrow$  groups

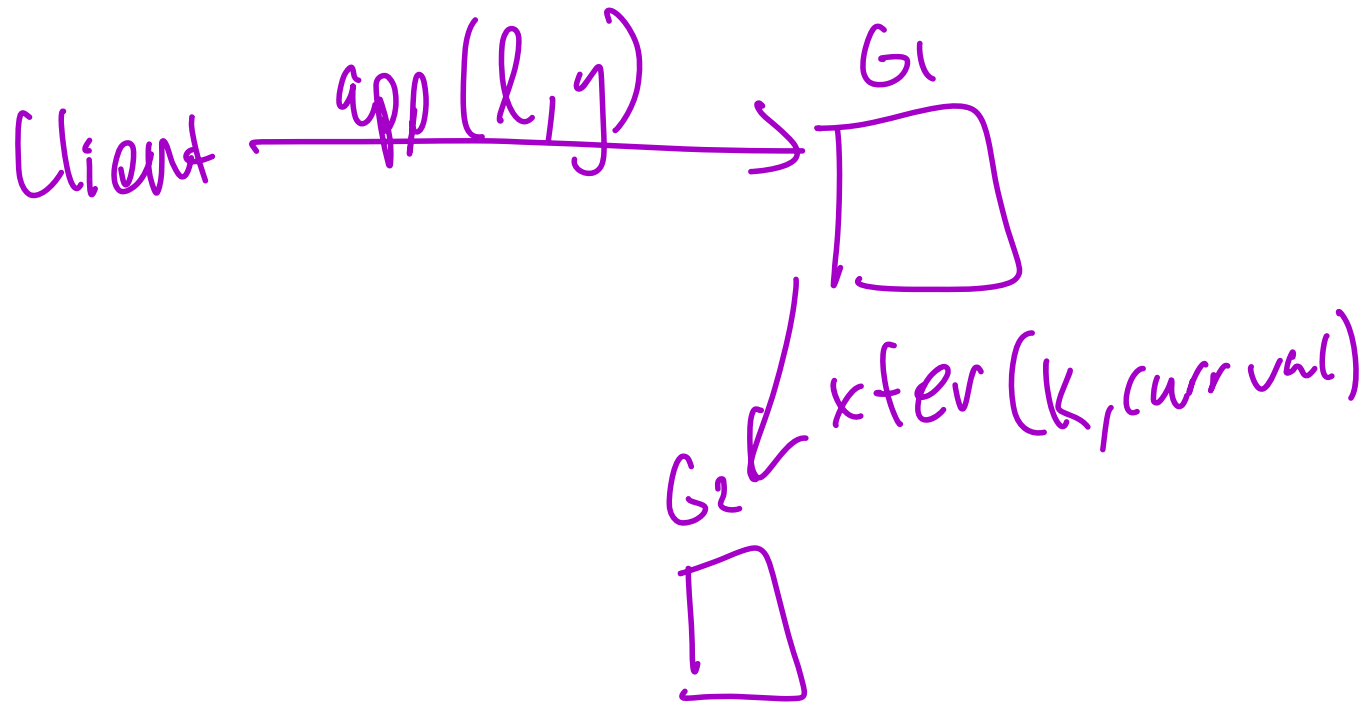
(Shard = small set of keys)

- concurrent client reqs
- xfer msg drop
- xfer ack msg
- send AMO state

config 1:  $k \rightarrow G_1$

config 2:  $k \rightarrow G_2$





config1:  $k \rightarrow G_1$   $l \rightarrow G_1$

config2:  $k \rightarrow G_2$   $l \rightarrow G_1$