

LATENCY AND RESILIENCE AS A TEAM

REVIEW

- In multi-region databases, locality settings are used to manage latency and data placement restrictions.
- Survival goals are used to manage resilience behaviors.
- Locality and survival goals have tradeoffs that must be considered.



GLOBAL TABLES

- Tradeoffs
 - Slower writes.
 - Cannot use placement restrictions.



PLACEMENT RESTRICTION

- Tradeoffs
 - Only compatible with zone survival.
 - Limited to regional and regional by row table locality.



REGION SURVIVAL

- Tradeoffs
 - Cannot be used with placement restricted.
 - Increased replication factor means increased operations cost.
 - Slower writes due to network hops to next closest region.

