

Cassandra Consistency Levels (Contd.)

- Client is allowed to choose a consistency level for each operation (read/write)
 - ANY: any server (may not be replica)
 - Fastest: coordinator may cache write and reply quickly to client
 - ALL: all replicas
 - Slowest, but ensures strong consistency
 - ONE: at least one replica
 - Faster than ALL, and ensures durability without failures
 - QUORUM: quorum across all replicas in all datacenters (DCs)
 - Global consistency, but still fast
 - LOCAL_QUORUM: quorum in coordinator's DC
 - Faster: only waits for quorum in first DC client contacts
 - EACH_QUORUM: quorum in every DC
 - Lets each DC do its own quorum: supports hierarchical replies