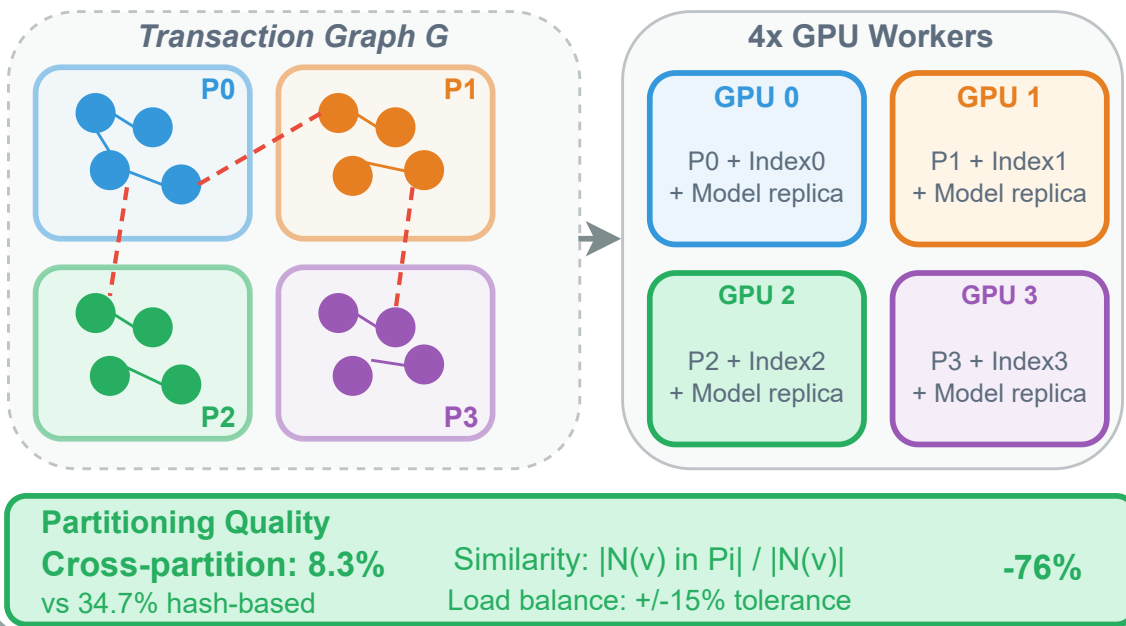
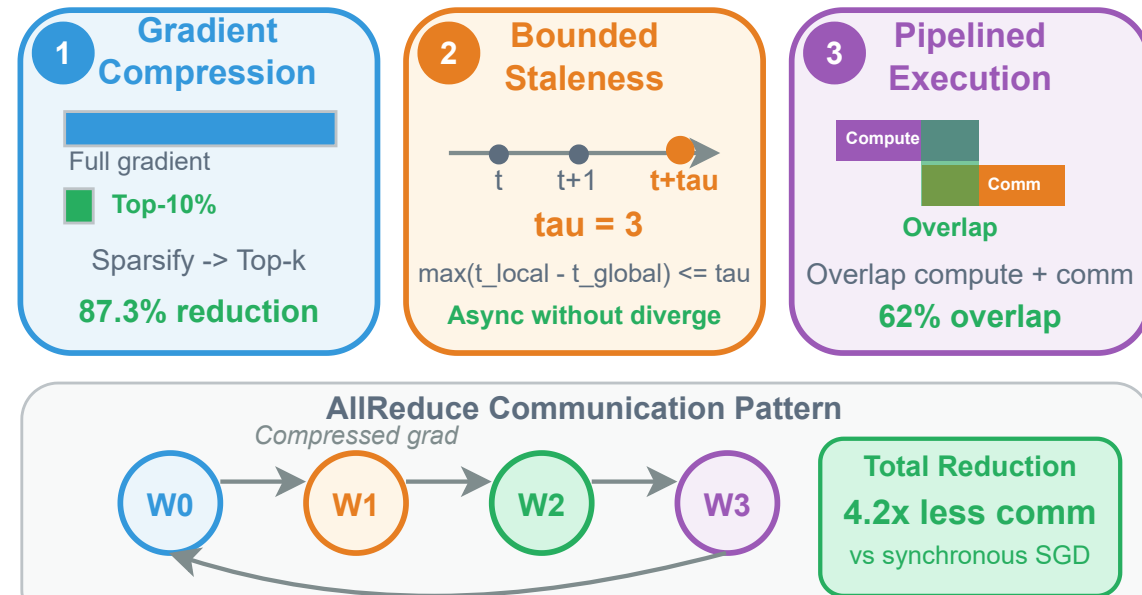


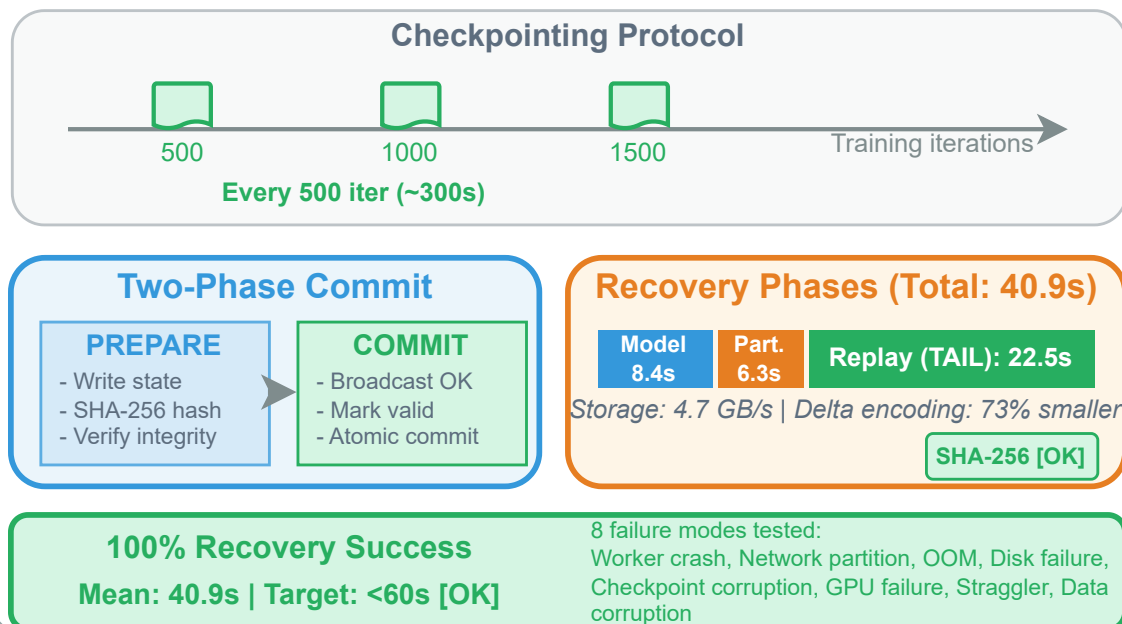
(a) Locality-Aware Graph Partitioning



(b) Communication Optimization



(c) Fault Tolerance: Two-Phase Commit Checkpointing



(d) Scaling Efficiency

