Throughput Experiment Report: Koorde vs Chord

This report summarizes the throughput experiment comparing Koorde and Chord Distributed Hash Table (DHT) based web cache systems. The experiment evaluates how each system scales under increasing user-generated load. **Experiment Setup:**
• Users were tested at levels: 50, 100, 200, 500, 1000, 2000, 4000.
• Throughput was measured in Requests Per Second (RPS).
• Koorde and Chord were run under identical conditions.
• X-axis is equally spaced for clarity and does not represent actual numeric spacing between user counts.

Key Observations:
• Chord achieves significantly higher throughput, saturating around ~3000 RPS.
• Koorde saturates earlier (~2200 RPS) and declines at high load (4000 users).
• Chord demonstrates better stability and scalability under high concurrency.
• Koorde shows more sensitivity to overload conditions.

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