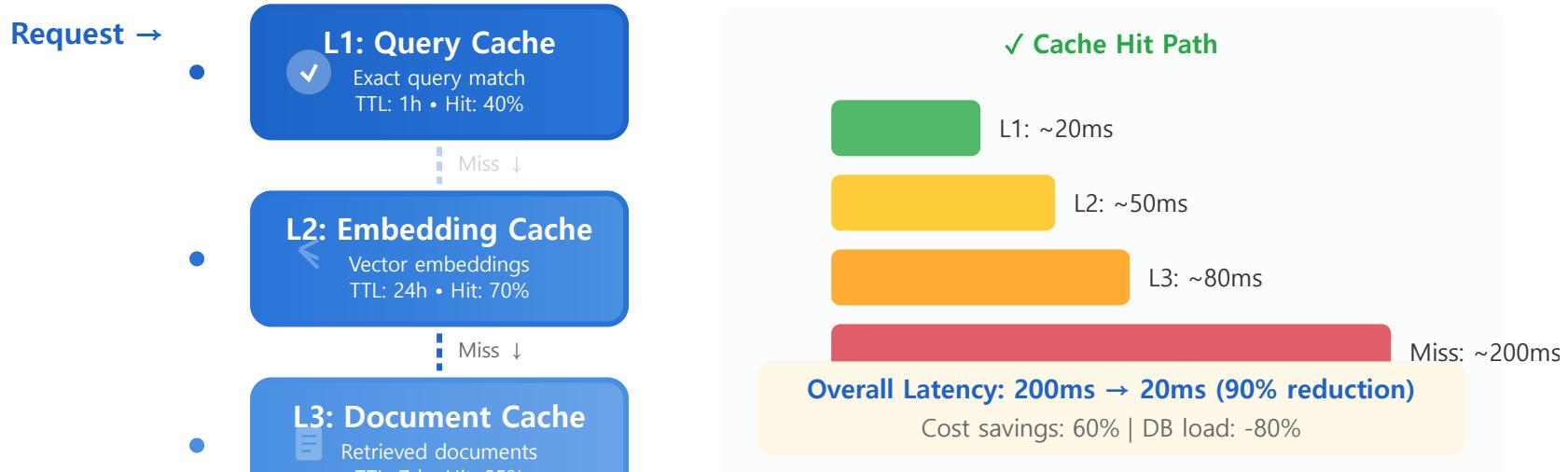


# Caching Optimization



## ⚙️ Redis Configuration

**Memory:** 16GB with LRU eviction

**Persistence:** RDB + AOF for durability

**Cluster:** 3 nodes with replication

## 📊 Performance Impact

Latency reduction: **200ms → 20ms**

Cost savings: **60% reduction**

DB load: **-80%**