

# Redis vs. Memcached


Start with a caching solution that is more robust than Memcached and provides a growth path to an enterprise-hardened solution. Start with Redis. See how they compare below.

	Memcached	Redis Open Source
Sub-millisecond latency	●	●
Number of programming languages supported	13	37
Sharding		●
Multi-threaded architecture	●	● No more than one instance can be initiated on the same system to utilize additional cores
Advanced data structures	Strings only	● String, hashes, list, set, sorted set, bitmaps, geospatial indexes, hyperloglogos, streams
Data models supported	Binary strings	JSON, graph, search, time series, probabilistic
Vertical scalability	●	●
Horizontal scalability		●
Snapshots		●
Replication		●
Persistence		●
Pub/Sub		●
Geospatial support		●
CLI	● Telnet	●
GUI		● RedisInsight
Transactions		●
Lua scripting		●

Continued on following page →

## Memcached

## Redis Open Source

Best use case	Cache or session store	Cache, database, message broker or queue
Comprehensive documentation		
Vibrant community	33rd on DB-engines ranking	6th on DB-engines ranking
Eviction policy	LRU	No eviction Allkeys - LRU Allkey-LFU Volatile-LRU Volatile-LFU Allkeys-random Volatile-random Volatile-ttl
Max key-size	250 characters	512MB
CAS	