

DATA SHEET

Redis^e Pack

Redis^e Pack is downloadable software for deploying enterprise grade, highly available and scalable Redis clusters with substantially lower operational costs than any other Redis deployment method. Based on Redis^e technology from Redis Labs, it enhances open source Redis with stable high performance, zero-downtime linear scaling and hassle-free true high availability.

Built-in High Availability

- Rack-aware, multi-datacenter/region/cloud replication with unique WAN compression technology
- Instant automated failure detection and failover to protect your applications against unplanned downtime, outages, and data loss
- Policy driven data persistence, continuous replication, backups and disaster recovery for full resilience
- Periodic backups to AWS S3, Azure Blob Storage, Google Cloud Storage, OpenStack Swift, or an FTP server

Effortless Scaling

- Scale your dataset dynamically across servers, and without downtime, by simply adding/removing nodes and shards to/from the cluster
- Shared nothing cluster architecture, with separate management and data paths, enables linear performance scalability and an easy, non-intrusive upgrade process
- Built-in multi-tenancy with a Docker-like architecture maximizes resource utilization
- Full support for all Redis commands when running clustered Redis
- Unlimited database connections to support architecture scaling

High Performance

- Amplifies performance by running multiple Redis instances on multiple cores
- Zero latency distributed proxy accelerates throughput by reducing context switching overhead, maximizing command pipelining, long-lived socket-based persistent connections with Redis instances, and other optimizations
- Tunable features for replication and persistence to maintain high performance when persisting data to disk

Fully Automated Management

- A new Redis database is created in less than 5 seconds with a click, from the CLI or with an API call
- UI, CLI or API-based automated administrative operations like sharding, re-sharding, shard-migration and re-balancing performed without disrupting applications in any way
- Integrated with orchestration tools such as Kubernetes, Mesosphere DC/OS, Pivotal BOSH, and Docker Swarm

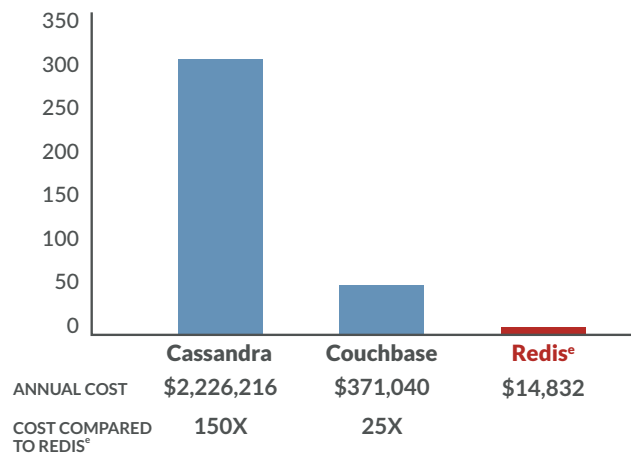


Redis^e Pack

Downloadable Redis^e software for any cloud or private data center

- Free Trial
- Annual Subscription
- Price based on dataset size (GB) and throughput (ops/sec)
- Available with Flash as RAM extension

Servers Needed for 1 Million Writes/Second



Redis^e delivers the maximum throughput with the lowest number of servers, slashing operational costs by up to 99% (Google Cloud Platform performance benchmarks)



“Redis^e reduced our application latencies to under 10ms, with the least operational overhead on our team.”

Richa Gupta

MICROSOFT CORPORATION

Flash Memory as a RAM Extender

- Supports Flash memory as a RAM extender, ideal for large dataset sizes
- Uses tiered memory access to deliver the same sub-millisecond latencies of RAM, but at over 70% lower costs

Enhanced Security and Compliance

- SSL-based encrypted communication with clients, administrators and across clusters
- Certificate and password-based authentication, role-based authorization for administration
- Monitoring and alerting, with administrator action logging for forensics

Enterprise Support

- 24x7 enterprise grade support backed by expertise in managing and scaling 250k+ Redis databases for thousands of customers in production worldwide
- Deep visibility into Redis specific metrics with threshold-based alerts that integrate with enterprise monitoring systems

Benefits of Redis^e Pack

Dramatically Lower Costs

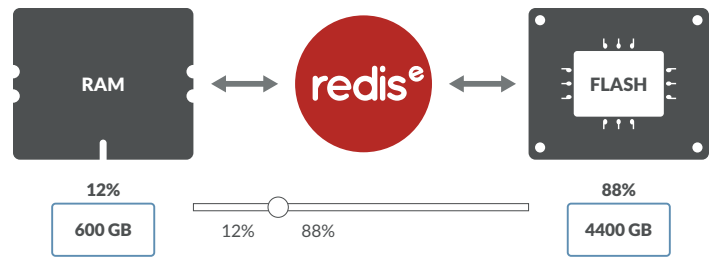
- Make large Redis deployments more cost-effective by running Redis on a combination of RAM and Flash memory used as an extension of RAM
- Ensure optimal high performance with configurable RAM: Flash ratios
- Run multiple Redis databases and clusters, with the fewest number of resources, each as its own process and in a non-blocking manner

Eliminate Downtime

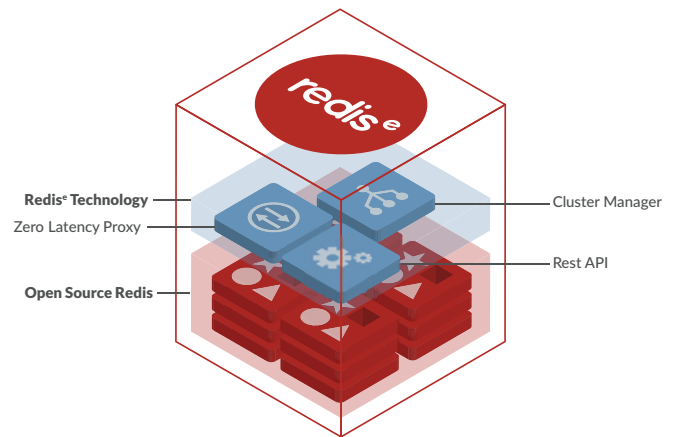
- Seamless, automated failure detection and failover ensures zero downtime to your applications in every failure scenario
- Rebalance shards efficiently with no downtime or performance impact; avoid the “noisy neighbor” phenomenon by automatically migrating shards to less noisy nodes
- Enhance data availability by distributing data across different data centers and regions

Reduced Operational Overhead

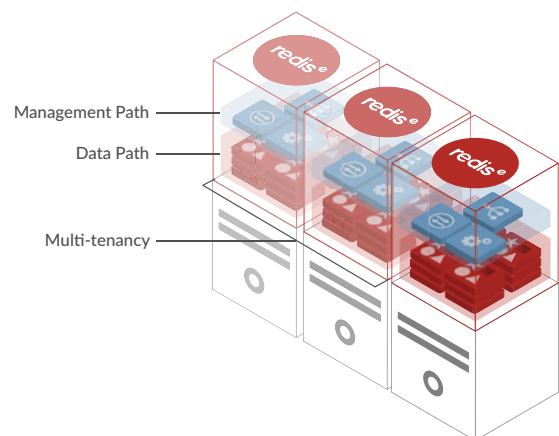
- Greater operational control with the automated sharding, migration, re-sharding, re-balancing of individual Redis instances
- Reduce time and effort spent on configuration, provisioning, deployment and continuous monitoring with the full automation of Redis^e



Redis^e Flash stores keys and 'hot' values in RAM, while 'cold' values are kept in Flash. Redis^e Flash preserves the Redis core architecture and is compatible with all Redis clients, data types and commands



Redis^e Node – Redis^e technology delivers high-availability, effortless scaling and stable high performance Redis databases



Shared Nothing Dynamic Cluster Architecture maximizes performance and resource utilization in distributed environments

Download Redis^e Pack for Free Today!

Visit <https://redislabs.com/pricing/redis-pack/>.
Talk to a Redis^e expert today. Contact expert@redislabs.com.

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