BRIEF

Aerospike

Cache first, consolidate later: Moving to *Aerospike Cloud*

A step-by-step look at moving from Redis, cache first

Aerospike is the operational database that makes systems predictable: performance that doesn't depend on conditions being in its favor. Using it as your cache means steady behavior through traffic spikes, data growth, and node failure, without your team adding infrastructure to hold it there. When you're ready, that same system extends to become your full database, not a new one to adopt.

Swap your cache for performance that holds under pressure

Redis for Aerospike Cloud as your cache, with no change to the backing database behind it.



Keep the same speed as conditions change

- Latency matches Redis in memory, its fastest configuration
- Latency stays flat through durability, disk-only reads, and 10x the data
- Throughput drops serving from disk instead of RAM — latency doesn't

Source: Aerospike vs. Redis Benchmark Report (McKnight Consulting Group)



Recover automatically, every time

- Data replicated across two nodes automatically
- Client fails over instantly, no manual step, no one paged
- Latency holds steady through the failure



Add capacity without adding complexity

- Add nodes and the cluster rebalances itself
- No manual resharding as data grows
- Going from gigabytes to petabytes is a capacity change, not a re-architecture

WiX

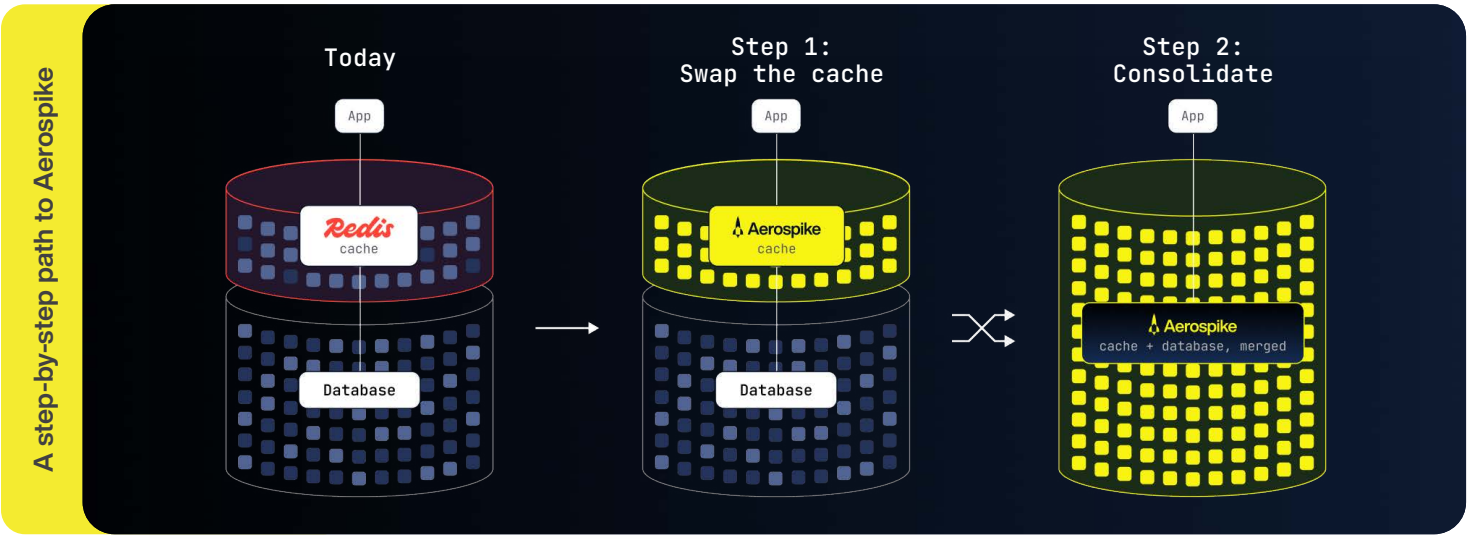
"Our response times dropped from 18 milliseconds to 2 to 3 milliseconds."

Tal Gabay
Engineering Manager, Wix

Myntra

"Millions of operations per second at a P99 read as well as write. Reads are submillisecond."

Nikhit Nair
Associated Architect, Myntra



Consolidate on your timeline

Once the cache is running on Aerospike, many teams extend it to the full database: a single system built to hold steady through the same scale and change, rather than two systems each requiring separate operational care.

- **Run one system, not two:** bring your team's attention back to building, not maintaining and keeping two systems in sync
- **Keep one architecture at any scale:** skip the bolt-on cache and the second store as you grow from thousands of keys to billions

Teams that made the switch from Redis

CAULIS

~100ms AVERAGE RESPONSE TIME

Fraud decisions land before the customer notices the wait, well under the 500ms threshold.

WIX

1.9B KEYS SERVED IN PRODUCTION

Scales past legacy Redis limits as sign-ups grow by millions a month.

Myntra

500K CONCURRENT USERS AT PEAK

Holds steady through peak sale-day traffic that used to trigger alerts.

tomtom

93% FEWER ON-CALL INCIDENTS

Frees engineers from firefighting a fragmented Redis estate to focus on what's next.

Explore what's possible with Aerospike

Contact sales | Explore Redis migration guide

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