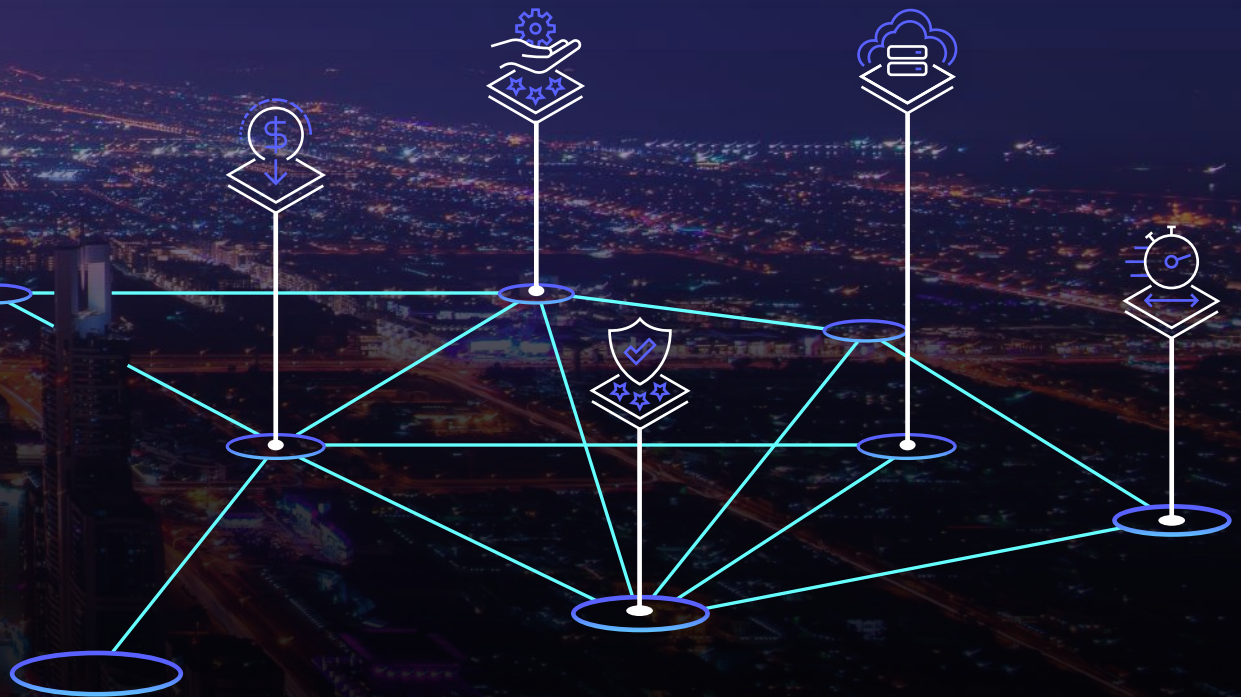# **Top 5** benefits of adopting a cloud migration proof data layer
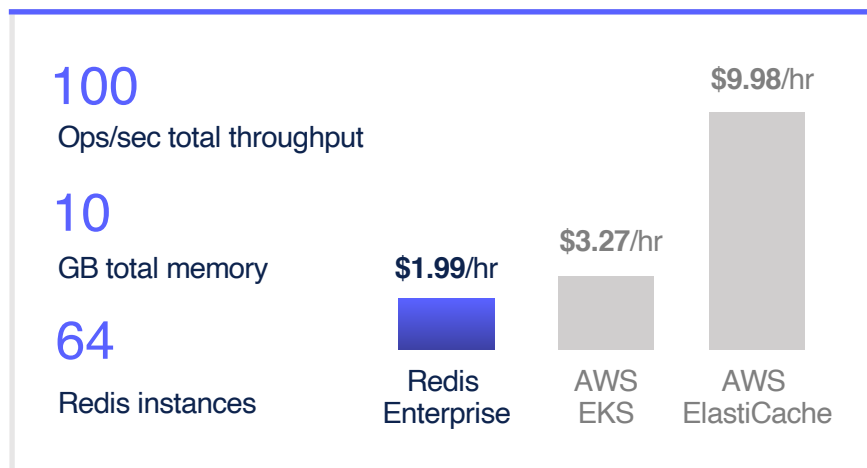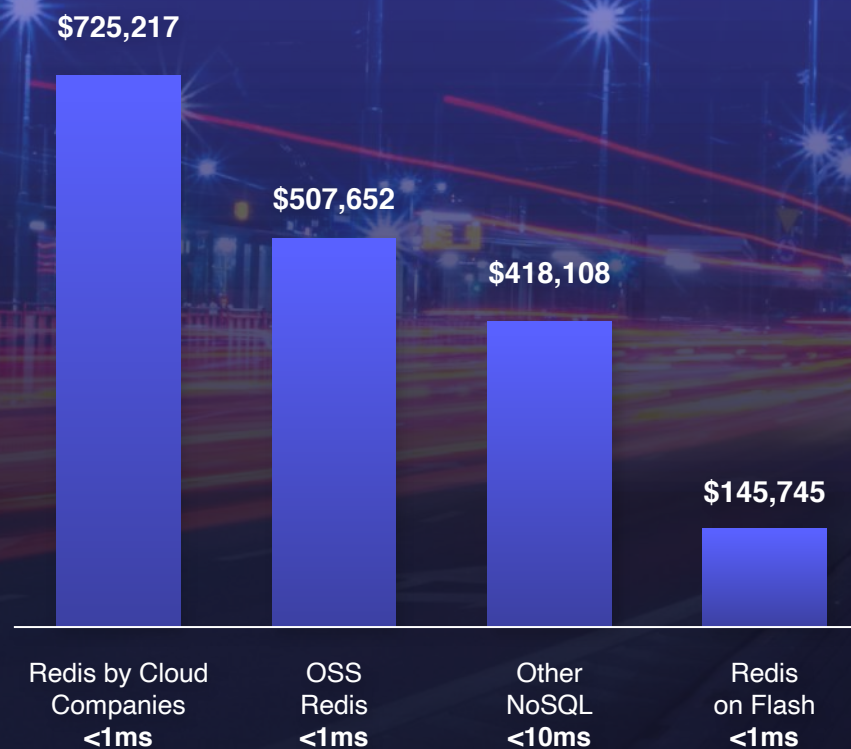
**Ryan Powers**

Redis

Mar 3, 2021

# 1. Optimized TCO

One of the promises of the cloud is cost reduction. Utilizing one vendor across your hybrid or multi-cloud deployments is key. By leveraging Redis Enterprise Cloud you have one unified data layer across all your environments. Redis on Flash (RoF) is built for large workloads while remaining significantly cheaper at scale.

**100**
Ops/sec total throughput

**10**
GB total memory

**64**
Redis instances

| | $1.99/hr | $3.27/hr | $9.98/hr |
|---|---|---|---|
| | Redis Enterprise | AWS EKS | AWS ElastiCache |

**Up to 80% savings**

$725,217 — Redis by Cloud Companies <1ms

$507,652 — OSS Redis <1ms

$418,108 — Other NoSQL <10ms

$145,745 — Redis on Flash <1ms

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> "We were using AWS ElastiCache for caching use cases. But when it came to database persistence, we were torn between self-hosting and choosing a managed service. We went with Redis Enterprise Cloud as the clear choice because of its ability to act as a Swiss Army knife for all of our data layer needs.

**Swapnil Talekar**
Engineering Manager
HackerRank

**HackerRank**

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# **2.** Reliability

Moving to the cloud adds a ton of value and having a data layer built with core enterprise features for high availability and fast failover can make the migration process seamless. This features also enable you to maintain top tier end user experiences.
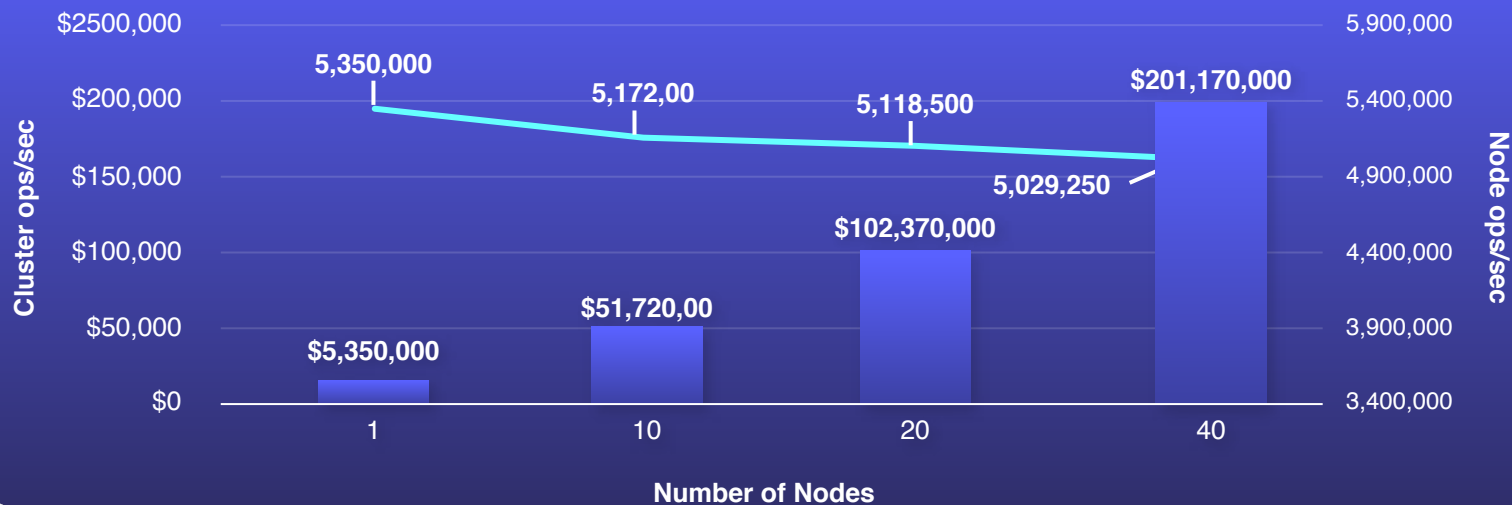
## 99.999% uptime

Redis Enterprise Cloud enable 99.999% uptime with instant failover for extremely durable and high reliability for even the largest of migration.

# 3. Speed and scale

Lifting and shifting to the cloud can create end user interruption and even degrade performance if you're trying to leverage a legacy database. Redis Enterprise Cloud employs hyper scale performance without any speed tradeoff. Redis Enterprise Cloud's sub-millisecond performance at virtually any scale, enables your end users to enjoy a real-time experience even while migrating to the cloud.

## Cluster and Node Throughput
### (@ <1msec latency)

| Number of Nodes | Cluster ops/sec | Node ops/sec |
|---|---|---|
| 1 | $5,350,000 | 5,350,000 |
| 10 | $51,720,00 | 5,172,00 |
| 20 | $102,370,000 | 5,118,500 |
| 40 | $201,170,000 | 5,029,250 |

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# 4. Hybrid and multi-cloud

Cloud migration can mean moving from on-premise to the cloud or from one cloud to another. A modern data layer needs to be built for both migration use cases.

Redis Enterprise Cloud unifies data across hybrid and multi-cloud and is the only managed Redis service that allows you to do both with no data or vendor lock-in.

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# 5. Best-in-class experience

Cloud migration comes with inherent risk and attempting to support it with open source software exponentially adds to that risk. You need a world class support team as well as world class technology to ensure minimal disruption during you migration process.

With Redis, you get the best of both worlds, world class technology and a world class support team.

| 4.8 | #1 DB on AWS | #1 DB to Adopt |
|---|---|---|
| Gartner Peer insights score | 2020 Sumo Logic Continuous Intelligence Report | 2020 CNCF End User Technology Radar |

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**Optimized TCO**  **Reliability**  **Speed and scale**  **Hybrid and multi-cloud**  **Best-in-class experience**

# Summary

Migrating to the cloud can bring enormous value to your organization, but can be a risk if you don't adopt a cloud migration proof data layer strategy. With Redis Enterprise Cloud you are in the best hands with the makers and builders of Redis.

With top enterprise data layer features and world class support, Redis Enterprise Cloud, is built for any migration, no matter the size or type.

## Get started now

**Find your path to cloud**

**Webinar**

**Free trial**

**Contact sales**

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