

<u>Learn more about the latest generative Al launches including vector search capabilities & LangChain integrations across Google Cloud databases.</u>

JUMP TO

Memorystore

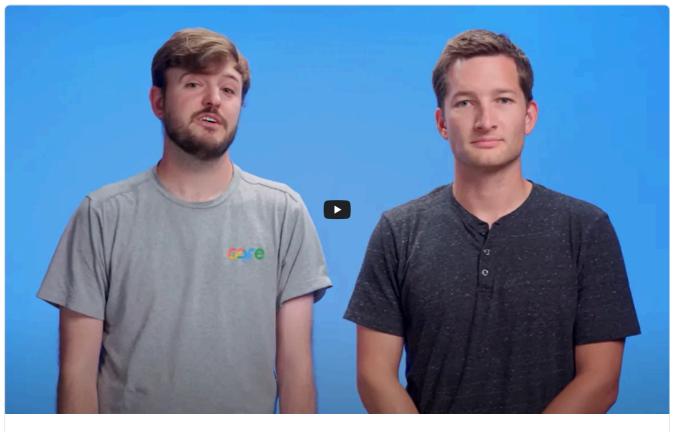
Fully managed in-memory Redis and Memcached service that offers sub millisecond data access, scalability, and high availability for a wide range of applications.

Redis is a trademark of Redis Ltd. Memorystore is based on open-source Redis versions 7.2 and earlier.*

Try Memorystore free

View Redis Cluster documentation

- 100% compatible with open source Redis Cluster, Redis, and Memcached
- ✓ Migrate your caching layer to cloud with zero code change
- ✓ High availability, up to a 99.99% SLA



VIDEO

Introducing Memorystore for Redis Cluster

4:12



Memorystore Contact Us Start free

failover, patching, and monitoring so you can spend more time building your applications.

Simplified scaling

Memorystore for Redis Cluster scales without downtime to support up to 250 nodes, terabytes of keyspace, and 60x more throughput than Memorystore for Redis with microsecond latencies.

Highly available

Memorystore for Redis Cluster has zero-downtime scaling, automatically distributed replicas across availability zones, and automated failover. It also offers a 99.99% SLA.

KEY FEATURES

Key features

Choice of engines

Choose from the most popular open source caching engines to build your applications. Memorystore supports Redis Cluster, Redis, and Memcached and is fully protocol compatible. Choose the right engine that fits your cost and availability requirements.

Connectivity

Memorystore for Redis Cluster is available with Private Service Connect (PSC) to simplify management and to offer secure, private, and granular connectivity with minimal IP consumption. All services are integrated with cloud monitoring, and more, Memorystore is built on the best of Google Cloud.

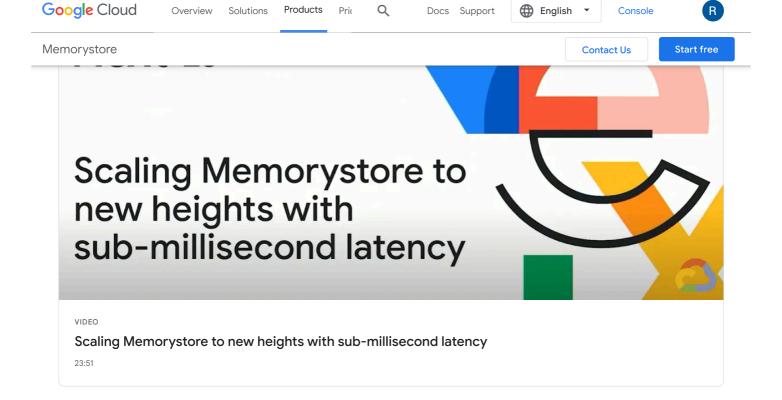
Vector search

Use Memorystore for Redis as an ultra-low latency data store for your generative AI applications. Approximate nearest neighbor (ANN) vector search (in preview) delivers fast, approximate results—ideal for large datasets where a close match is sufficient. Exact nearest neighbor (KNN) vector search (in preview) promises accurate results, although it may require a bit more time to process.

Fully managed

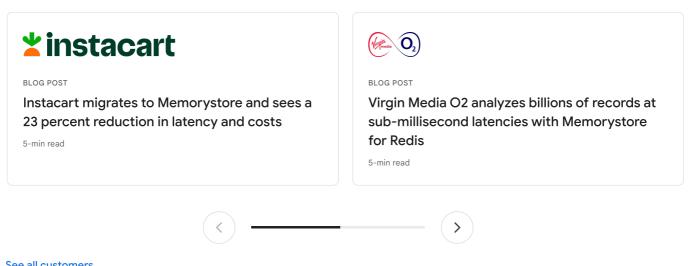
Provisioning, replication, failover, and patching are all <u>automated</u>, which drastically reduces the time you spend on DevOps.

View all features		



CUSTOMERS

Learn from customers using Memorystore in-memory service for Redis and Memcached



See all customers

*****instacart

"Had we known the full scope of benefits from switching to Memorystore earlier, we could have saved more engineering time for delivering value to other parts of our e-commerce platform."

Dennis Turko, Staff Software Engineer, Instacart



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BLOG POST

Read the blog

High availability with Memorystore for Redis Cluster, Part 1: Four nines



BLOG POST

Zero-downtime scaling with Memorystore for Redis Cluster

Read the blog



- (>

DOCUMENTATION

Documentation

GOOGLE CLOUD BASICS

Memorystore for Redis Cluster overview

Read about the benefits, use cases, and features of Memorystore for Redis Cluster. The overview also provides key details about the service.

Learn more

GOOGLE CLOUD BASICS

Memorystore for Redis standalone overview

Read about the use cases, and features of Memorystore for Redis standalone service. The overview also provides key details about the service.

Learn more

GOOGLE CLOUD BASICS

Memorystore for Memcached overview

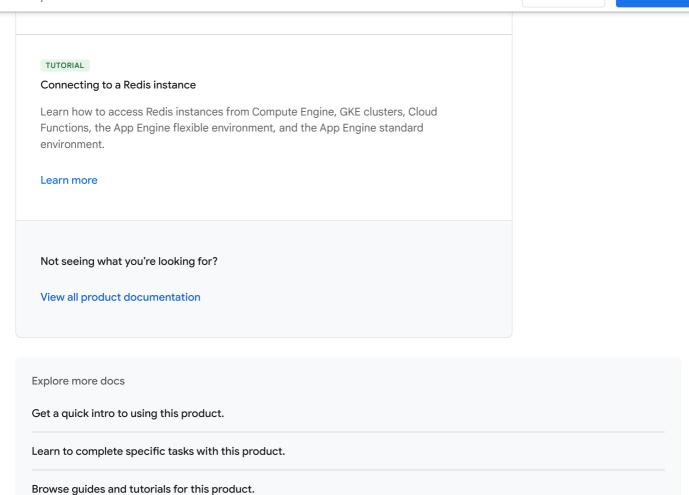
This page introduces the Memorystore for Memcached service, including use cases, key concepts, and the advantages of using Memcached.

Learn more

QUICKSTART

Redis quickstart using the UI





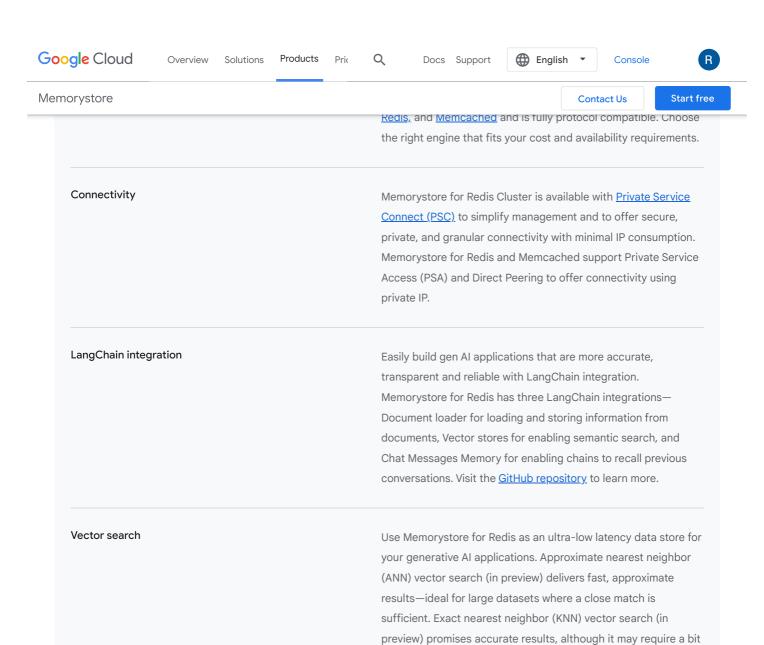
Release notes

Read about the latest releases for Memorystore.

View APIs, references, and other resources for this product.

ALL FEATURES

All features



more time to process.

DevOps.

Cluster customers.

your sensitive data.

Provisioning, replication, failover, and patching are all

automated, which drastically reduces the time you spend doing

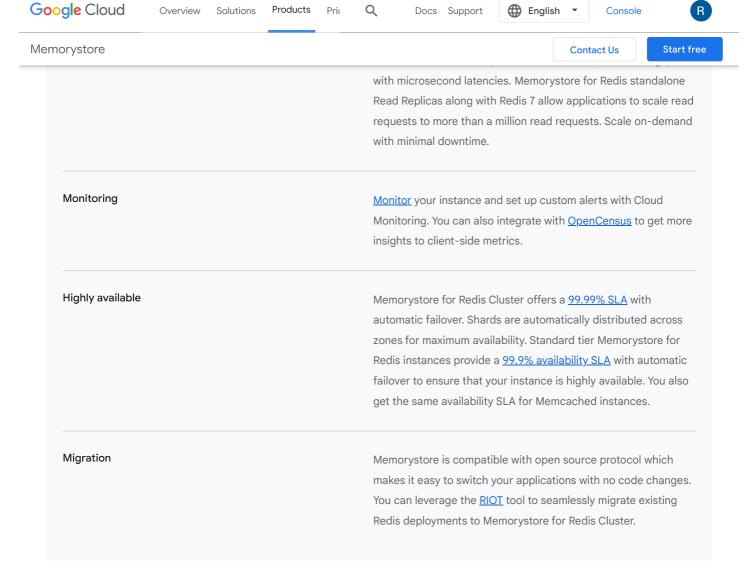
Achieve near-zero Recovery Point Objectives (RPO) through continuous write logging or setup periodic snapshots, ensuring heightened resiliency against zonal failures. Both RDB and AOF are available at no additional cost to Memorystore for Redis

Memorystore is protected from the internet using VPC networks and private IP and comes with <u>IAM</u> integration—all designed to protect your data. Systems are monitored 24/7/365, ensuring your applications and data are protected. Memorystore for Redis provides in-transit encryption and Redis AUTH to further secure

Fully managed

Persistence

Security



PRICING

Pricing

Memorystore offers various sizes to fit any budget. Pricing varies with settings—including how much capacity, how many replicas and which region you provision. Memorystore also offers per-second billing and instances and is easy to start and stop.

View Memorystore for Redis Cluster pricing

View Memorystore for Redis pricing

View Memorystore for Memcached pricing

Take the next step

Start building on Google Cloud with \$300 in free credits and 20+ always free products.

^{*}Redis is a trademark of Redis Ltd. All rights therein are reserved to Redis Ltd. Any use by Google is for referential purposes only and does not indicate any sponsorship, endorsement or affiliation between Redis and Google. Memorystore is based on and is compatible with open-source Redis versions 7.2 and earlier and supports a subset of the total Redis command library.



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