

[Memorystore for Redis](#)

# Concepts

## General

### Overview of Memorystore

Learn about the benefits of the Cloud Memorystore for Redis service.

(<https://cloud.google.com/memorystore/docs/redis/redis-overview>)

### Access Control

Describes how to control access to Cloud Memorystore for Redis instances using Cloud Identity and Access Management (IAM).

(<https://cloud.google.com/memorystore/docs/redis/access-control>)

### Audit Logging

Details about information that Cloud Memorystore for Redis logs for auditing purposes.

(<https://cloud.google.com/memorystore/docs/redis/audit-logging>)

### Behavior During Scaling

Details about information that Cloud Memorystore for Redis logs for auditing purposes.

(<https://cloud.google.com/memorystore/docs/redis/scaling-behavior>)

### High Availability

Details about how Cloud Memorystore for Redis achieves high availability for Standard Tier instances.

(<https://cloud.google.com/memorystore/docs/redis/high-availability>)

### Instances

Overview of Cloud Memorystore for Redis instances and important instance characteristics.

(<https://cloud.google.com/memorystore/docs/redis/instances>)

### **Import and export overview**

Overview of the RDB import and export feature for Cloud Memorystore for Redis.

(<https://cloud.google.com/memorystore/docs/redis/import-export-overview>)

### **Manual failover**

Overview of the manual failover feature for Cloud Memorystore for Redis.

(<https://cloud.google.com/memorystore/docs/redis/manual-failover-overview>)

### **Networking**

Explains Cloud Memorystore for Redis networking details and configurations.

(<https://cloud.google.com/memorystore/docs/redis/networking>)

### **Product Constraints**

Details about Cloud Memorystore for Redis limitations.

(<https://cloud.google.com/memorystore/docs/redis/product-constraints>)

### **Regions and Zones**

Supported regions for Cloud Memorystore for Redis.

(<https://cloud.google.com/memorystore/docs/redis/regions>)

### **Supported versions**

Supported Redis versions for Cloud Memorystore for Redis.

(<https://cloud.google.com/memorystore/docs/redis/supported-versions>)

## Best practices

### Memory management best practices

Recommends best practices for managing memory with key eviction policies and metrics monitoring.

(<https://cloud.google.com/memorystore/docs/redis/memory-management-best-practices>)

### Exponential backoff

Explains how and why you should use exponential backoff to handle server-side error retries.

(<https://cloud.google.com/memorystore/docs/redis/exponential-backoff>)

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