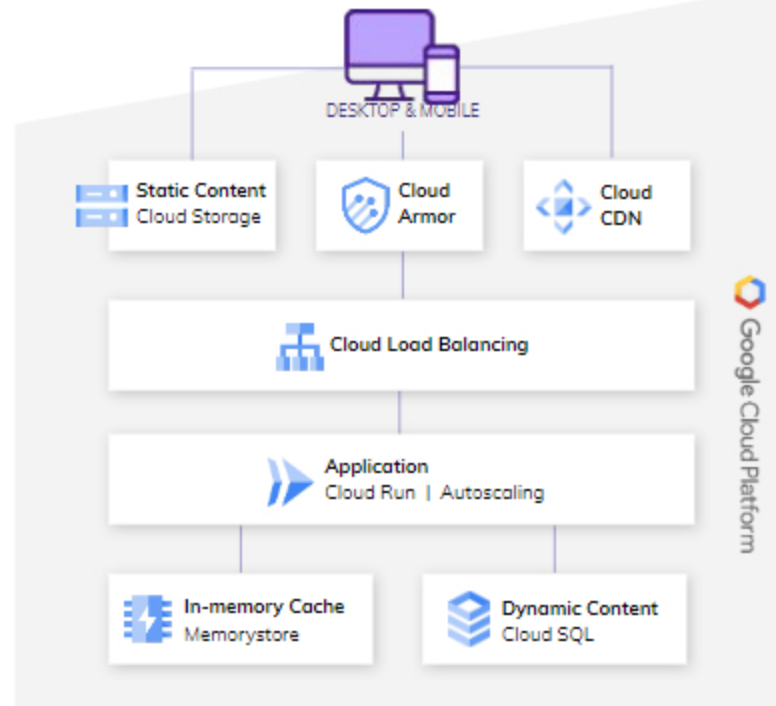


# Auto Scaling Serverless Web App Platform

- Cloud Run offers greater scalability and more flexibility at a reduced cost
- Includes a load balancer and Cloud CDN to accelerate applications
- Uses Memorystore for caching and Cloud Storage for static files

**\$359/mo**



This is an example of a typical web application configuration where you can scale your Cloud Run instances to meet your needs. Cloud Run allows developers to spend their time writing their code, and very little time operating, configuring, and scaling their Cloud Run service. You don't have to create a cluster or manage infrastructure like you do with VMs. Cloud Run autoscaling uses a global static external IP address to receive traffic using a load balancer with a minimum number of instances as 1 to eliminate cold start delays. In addition, we will reduce the load on the web server by utilizing caches such as Cloud CDN and Memorystore, and handling static files in Cloud Storage, which is an object storage. We assume that the Cloud Run instance is 2 vCPU with 512 MiB RAM, and that 50 requests are processed simultaneously per instance. Cloud Armor helps you protect your Google Cloud deployments from multiple types of threats, including distributed denial-of-service (DDoS) attacks and application attacks like cross-site scripting (XSS) and SQL injection (SQLi).

## Price Calculation Example | Region: Iowa, Currency: USA

| SERVICE                | ITEM  | QUANTITY                | PRICE    |
|------------------------|---|-------------------------|----------|
| Cloud Load Balancing   | Network Ingress                               | 100 GiB                 | \$19.05  |
| Cloud Run              | Instance (2 vCPU, 512 MiB RAM, 50 Concurrent) | 10M reqs/mo, 500 ms/req | \$20.11  |
| Cloud Storage          | Standard Class + Class B Operation            | 100 GiB + 1 Million     | \$2.40   |
| Cloud SQL for My SQL   | Instance db-standard-2.2 vCPU, 7.5 GiB RAM    | 730 hrs                 | \$123.62 |
|                        | Storage (SSD)                                 | 100 GiB                 |          |
|                        | Backup  | 100 GiB                 |          |
| Memorystore for Redis  | Service Tier: basic, Capacity Tier: M2        | 6 GiB                   | \$118.26 |
| Cloud CDN              | Cache Egress - Asia/Pacific                   | 1000 GiB                | \$95.75  |
|                        | Inter-Region Cache Fill                       | 50 GiB                  |          |
|                        | HTTP/HTTPS cache lookup requests              | 5 Million               |          |
| Total Monthly Charges: |   |                         | \$359.08 |

The pricing estimates above are subject to change. Please refer to the [pricing calculator](#) for the updated pricing.