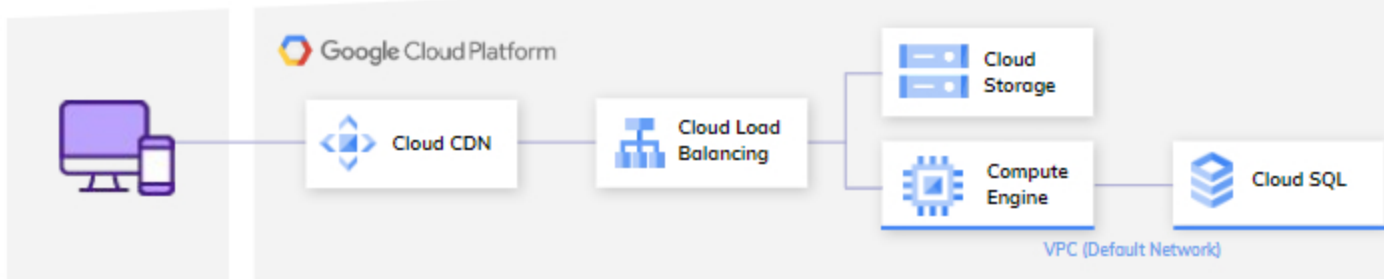# eCommerce Website Hosting

- Static content such as HTML, CSS, Javascript, and images are stored in Cloud Storage
- Dynamic content uses Cloud SQL and a Compute Engine managed instance group (MIG)
- Optimize cost and performance using Load Balancing path routing and Cloud CDN caching

$533/mo

Google Cloud Platform

Cloud CDN → Cloud Load Balancing → Cloud Storage

Compute Engine → Cloud SQL

VPC (Default Network)

For e-commerce sites, the challenge is to minimize response time and respond to the rapid increase in the number of accesses. Static content such as HTML, JavaScript, CSS, and images are stored in Cloud Storage, and dynamic content is requested to compute services. Compute Engine, which hosts dynamic content, is estimated to be processed by an average of two instances as a managed instance group (MIG). Cloud Load Balancing makes it easy to take advantage of cloud CDN caching of static content by simply enabling settings. In addition, Cloud Load Balancing's path routing function is used to determine whether to return the origin of static content or the origin of dynamic content depending on the path. This allows you to optimize cost and performance while minimizing requests to computing resources that generate dynamic content. If you want more scalability in your database, consider Cloud Spanner as well.

Price Calculation Example | Region: Iowa, Currency: USA

SERVICE	ITEM	QUANTITY	PRICE
Cloud Load Balancing	Network Ingress	100 GiB	$19.05
Compute Engine	RHEL VM Instance (e2-standard-2, 2 vCPU, 8GiB RAM)	2*730 hrs	$185.44
	10 GiB Boot Disk	2*10 GiB	$2.00
	100 GiB Regional Persistant Disk	2*100 GiB	$16.00
Cloud Storage	Standard Class + Class B Operation	100 GiB + 4 Million	$3.60
Cloud SQL for MySQL	Instance db-standard-4, 4 vCPU, 15 GiB RAM	730 hrs	$197.25
	100 GiB SSD Storage	100 GiB	$17.00
	100 GiB Backup Storage	100 GiB	$8.00
Cloud CDN	Cache egress - North America	1,000 GiB	$85.00
	Inter-Region Cache Fill	50 GiB	
	HTTP/HTTPS Cache Lookup Requests	4 Million	
		Total Monthly Charges:	$533.33

The pricing estimates above are subject to change. Please refer to the pricing calculator for the updated pricing.