

NETWORK SERVICE TIERS

Optimize your network for performance or cost



[VIEW DOCUMENTATION \(HTTPS://CLOUD.GOOGLE.COM/NETWORK-TIERS/DOCS/\)](https://cloud.google.com/network-tiers/docs/)

Empowering customers to optimize their cloud network for performance or price

With Network Service Tiers, GCP is the first major public cloud to offer a tiered cloud network.

Premium



Standard



Delivering choice with Network Service Tiers

Premium

Give users exceptional high performing network experience by using Google's global network.

Standard

Get control over network costs, while still delivering performance comparable with other cloud providers.

CATEGORY	PREMIUM	STANDARD
Network	High performance routing	Lower performance network
Network Services	Network services such as Cloud Load Balancing are global (single VIP for backends in multiple regions)	Network services such as Cloud Load Balancing are regional (one VIP per region)
Service Level	High performance and reliability, Low latency, Global SLA	Performance and availability comparable to other public cloud providers (lower than premium), no Global SLA
Use Case	Performance, reliability, global footprint and user experience are your main considerations	Cost is your main consideration, and you're willing to trade-off some network performance

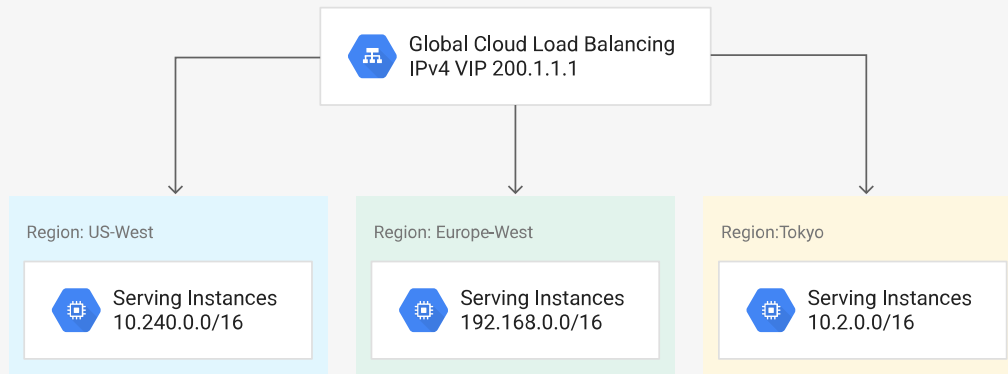




Premium Tier

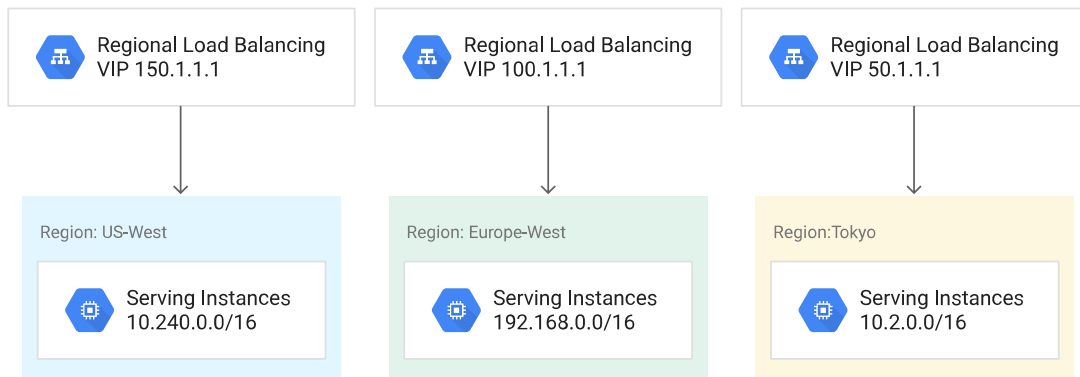
Premium Tier delivers GCP traffic over Google's well-provisioned, low latency, highly reliable global network. This network consists of an extensive global private fiber network with over 100 points of presence (POPs) across the globe. By this measure, Google's network is the largest of any public cloud provider. [See the Google Cloud network map](https://cloud.google.com/about/locations#network-tab) (<https://cloud.google.com/about/locations#network-tab>).

GCP customers benefit from the global features within Global Load Balancing, another Premium Tier feature. You not only get the management simplicity of a single anycast IPv4 or IPv6 Virtual IP (VIP), but can also expand seamlessly across regions, and overflow or fail over to other regions.



Standard Tier

Our new Standard Tier delivers GCP traffic over a transit ISP's network with the latency and reliability typical of transit ISPs, and with a network quality comparable to that of other public clouds, at a lower price than our Premium Tier. We also provide only regional network services in Standard tier, such as the new regional Cloud Load Balancing service. In this tier, your Load Balancing Virtual IP (VIP) is regional, similar to other public cloud offerings, and adds management complexity compared to Premium Tier Global Load Balancing, if you require multi-region deployment.



Performance optimized Premium Tier

Deliver your traffic on Google's high performance global network

Deliver the best possible application experience to your users

Performance measured by Cedexis at <https://www.cedexis.com/google-reports/>
(<https://www.cedexis.com/google-reports/>)

Deploy Global Load Balancing, with the management simplicity of a single anycast IPv4 or IPv6 Virtual IP across multiple regions. Seamlessly expand,

overflow or fail-over into other regions.

Premium Tier supported for Cloud CDN

Lower outbound traffic costs with Standard Tier

Run cost-sensitive workloads

Performance comparable with other public cloud offerings

Performance measured by Cedexis at <https://www.cedexis.com/google-reports/>
(<https://www.cedexis.com/google-reports/>)

Deploy regional load balancing to lower costs for single-region workloads

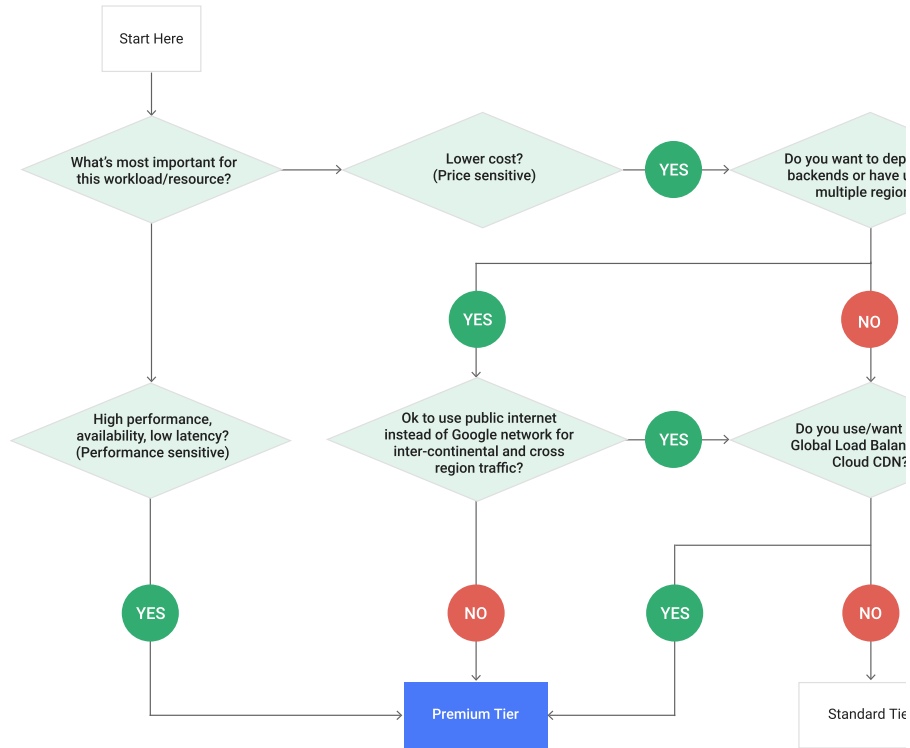
Choose the Right Tier for each workload

Full flexibility in selecting tier for each application

Specify tier per instance or instance template

Specify tier per load balancer for compute and storage backends

Enable tier at project level to apply it to all underlying applications (coming soon)



Network Service Tiers Availability

FEATURES	PREMIUM TIER	STANDARD TIER
Plain VM instance	Yes - Global	Yes - Regional

FEATURES	PREMIUM TIER	STANDARD TIER
HTTP(S) Load Balancing (LB)	Yes - Global	Yes - Regional
TCP/SSL Proxy LB (non-HTTP traffic)	Yes - Global	Yes - Regional
Network / Internal LB	Yes - Regional VIP (+ Client can be anywhere)	Yes - Regional VIP (+ Client needs to be in same region)
Google Cloud Storage, Google Kubernetes Engine	Yes	Yes - Regional but only via LB
Cloud CDN	Yes	No
Cloud VPN/Cloud Router	Yes	No

“Google’s global network is one of the strongest features for choosing Google Cloud.”

- Ravi Yeddula

Sr. Director Platform Architecture & Application Development, The Home Depot



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