

Google Cloud Computing Foundation Course
Priyanka Vergardia
Google Cloud

Lecture-59
Different Options for Load Balancing

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Use load balancing to distribute user requests among sets of instances

Global	HTTP(S) load balancing	Distributes HTTP(S) traffic among groups of instances based on: <ul style="list-style-type: none">• Proximity to the user• Requested URL• Both	External
	SSL Proxy load balancing	Distributes SSL traffic among groups of instances based on proximity to the user.	
	TCP Proxy load balancing	Distributes TCP traffic among groups of instances based on proximity to the user.	
Regional	Network load balancing	<ul style="list-style-type: none">• Distributes traffic among a pool of instances within a region.• Can balance any kind of TCP/UDP traffic.	Internal
	Internal load balancing	Distributes traffic from GCP virtual machine instances to a group of instances in the same region.	



Now you will consider the different load balancing options available. You can use load balancing to take more advantage of an augmented infrastructure. You have already configured networking between different virtual machines but how can you route traffic between multiple virtual machines. When load balancing is the first thing that comes into play HTTPS, SSL proxy and TCP proxy load balancing are global services whereas network and internal load balancing are regional.