

TCP Proxy GLB配置(多服务端口)

单AnyCast IP地址,多服务端口

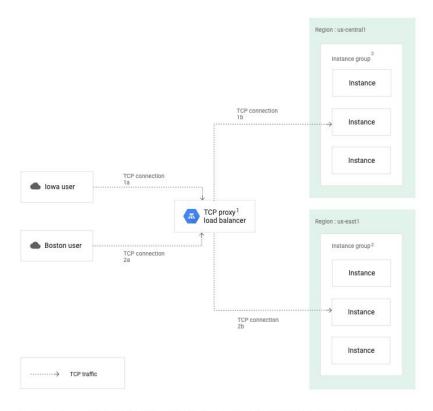


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Agenda

- 配置Firewall Rules
- 配置Instance Group
- 配置Health Check
- 配置GLB使用的Anycast IP
- 配置HTTPS GLB
- HTTPS 监控指标

TCP Proxy GLB Fundamental



^{1.} This is a TCP proxy load balancer in Premium Tier. With Standard Tier, all of the backend instance groups or backend NEGs must be in the same region.

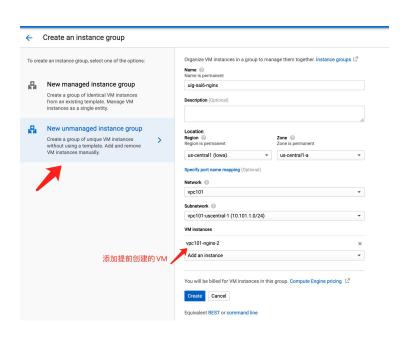
2. This load balancer has instance group backends, but you can use NEGs instead.

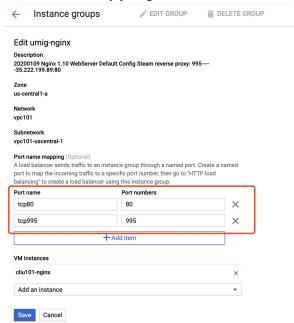
1. 配置Firewall Rules

- GFE: Google Front End, GLB服务部署的边缘站点
- 为VPC打开GFE的指定端口的HTTP访问,源地址为GFE地址
- GFE的后端地址段: 130.211.0.0/22 和 35.191.0.0/16
- 一般使用TCP服务端口即可,因为GFE到Region的底层网络会加密
- GLB后面的VM的IP地址可以不配置公网地址
- 支持的端口是固定的: 25, 43, 110, 143, 195, 443, 465, 587, 700, 993, 995, 1883, 3389, 5222, 5432, 5671, 5672, 5900, 5901, 6379, 8085, 8099, 9092, 9200, and 9300

2. 配置Instance Group

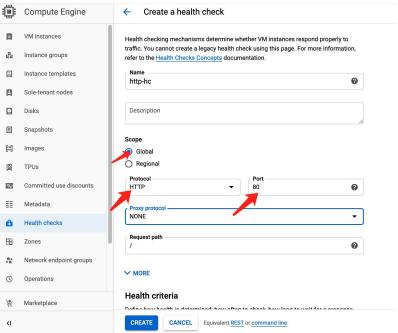
- 如果不需要Auto Scaling, 可以配置Unmanaged Instance Group
- 选择网络以及需要加入到Instance Group的VM
- 如果每个VM, 需要支持多个端口的服 务,请配置Port Name Mapping





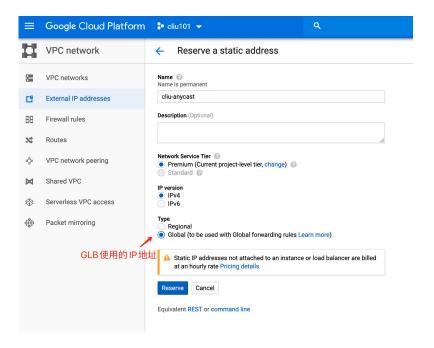
3. 创建HTTP Health Check

- 为GLB创建Health Check
- 建议Health Check使用的端口和协议和后端服务提供哦端口协议保持一致

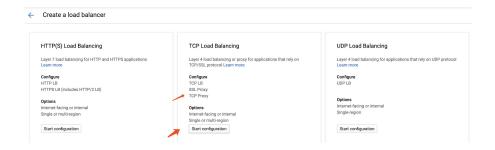


4. 预留GLB使用的AnyCast IP

注意: 多个GLB可以共用IP, 只要服务端口不同即可



5. 创建TCP Proxy LB 1





Create a load balancer

Please answer a few questions to help us select the right load balancing type for your application

Internet facing or internal only

Do you want to load balance traffic from the Internet to your VMs or only between VMs in your network?

- From Internet to my VMs
 - Only between my VMs

Multiple regions or single region

Do you want to place the backends for your load balancer in a single region or across multiple regions?

- Multiple regions (or not sure yet)
- Single region only

Continue

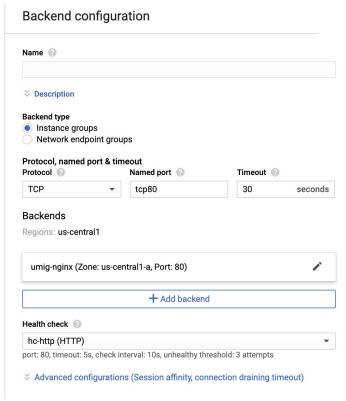
分别为这个TCP/SSL Load Balancer选择Frontend和

Backend

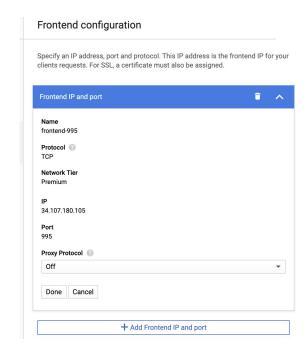
TICP/33L LOad Balancer 延伸Frontend和

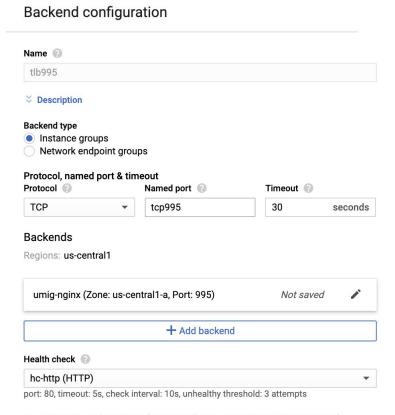
Specify an IP address, port and protocol. This IP address is the frontend IP for your clients requests. For SSL, a certificate must also be assigned. New Frontend IP and port Name (Optional) Name is permanent lowercase, no spaces Add a description Protocol TCP Network Service Tier Premium (Current project-level tier, change) Standard IP version IP address IPv4 Ephemeral Port 993 ~ Proxy Protocol Off • Cancel Done

Frontend configuration



5. 创建TCP Proxy LB 2,选择Frontend和Backend





常见问题

● GLB-Backend-Instance Group-VM的映射关系: 一个VM只能属于一个Instance Group

同一个服务,多个 AnyCast IP或者多个Port

一个AnyCast IP通过多个端口映射访问通一个服务的不同端口

多个anycast ip+多个端口通 过端口映射访问同一个服务 器的不同端口

