TCP Proxy GLB配置(多服务端口)

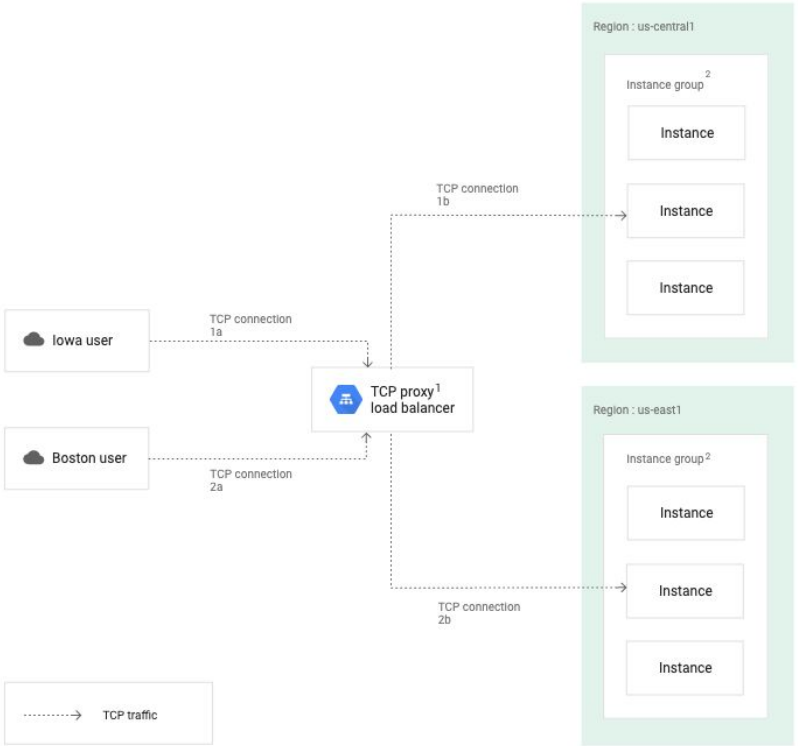
单AnyCast IP地址, 多服务端口

liuchenggang@google.com

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



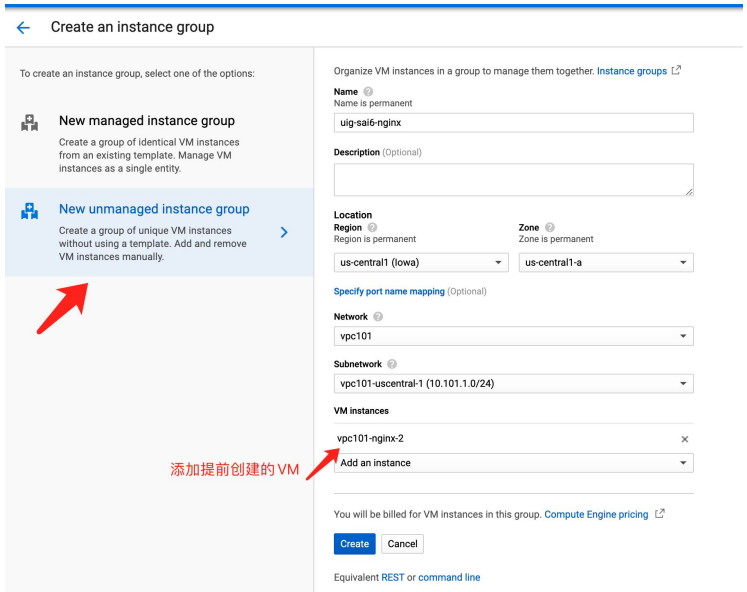
1. This is a TCP proxy load balancer in Premium Tier. With Standard Tier, all of the backend instance groups or backend NEGs must be in the same region.
2. This load balancer has instance group backends, but you can use NEGs instead.

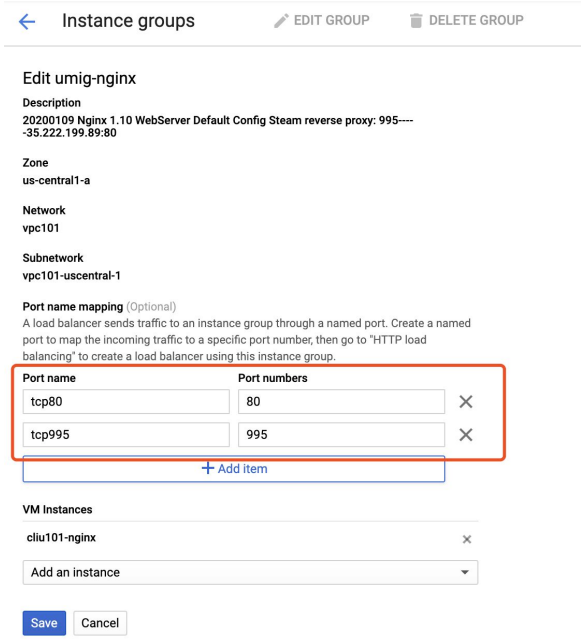
1. 配置Firewall Rules

- 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的后端转发地址段: 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
- 130.211.0.0/22 和 35.191.0.0/16同样也是HealthCheck的源地址(除NLB)

2. 配置Instance Group

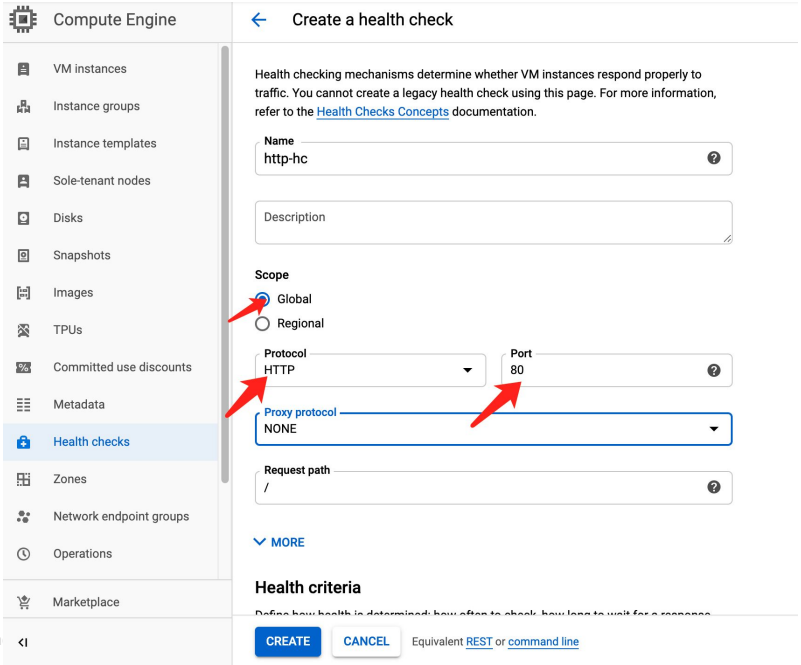
- 如果不需要Auto Scaling, 可以配置Unmanaged Instance Group
- 选择网络以及需要加入到Instance Group的VM
- 如果每个VM, 需要支持多个端口的服 务,请配置Port Name Mapping





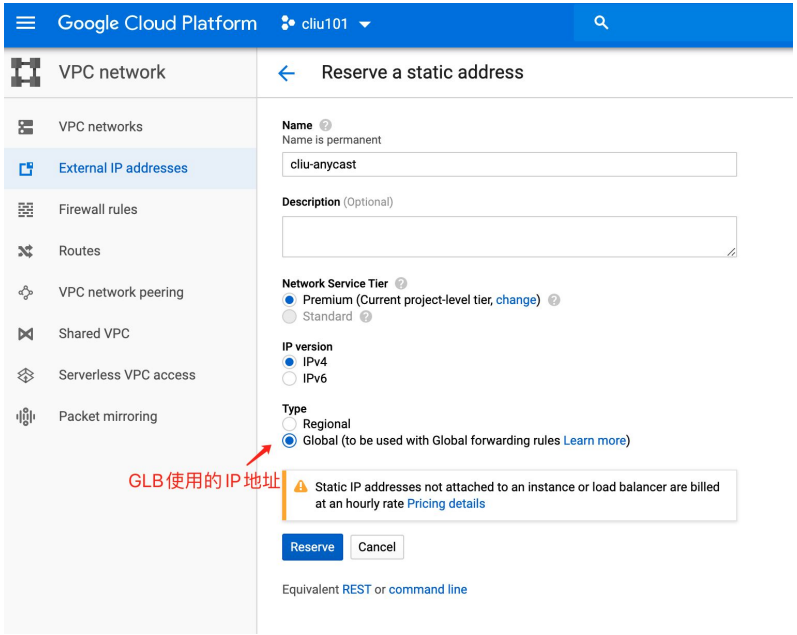
3. 创建HTTP Health Check

- 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



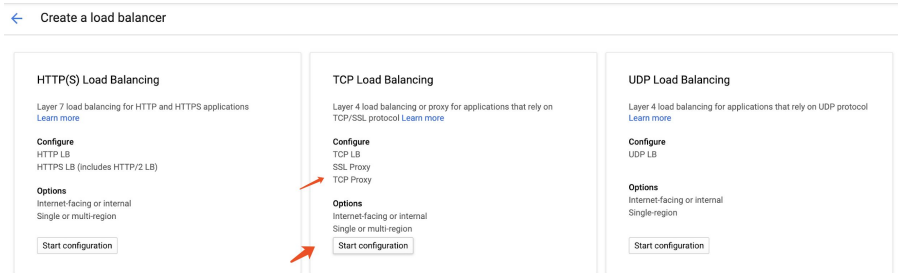
4. 预留GLB使用的AnyCast IP

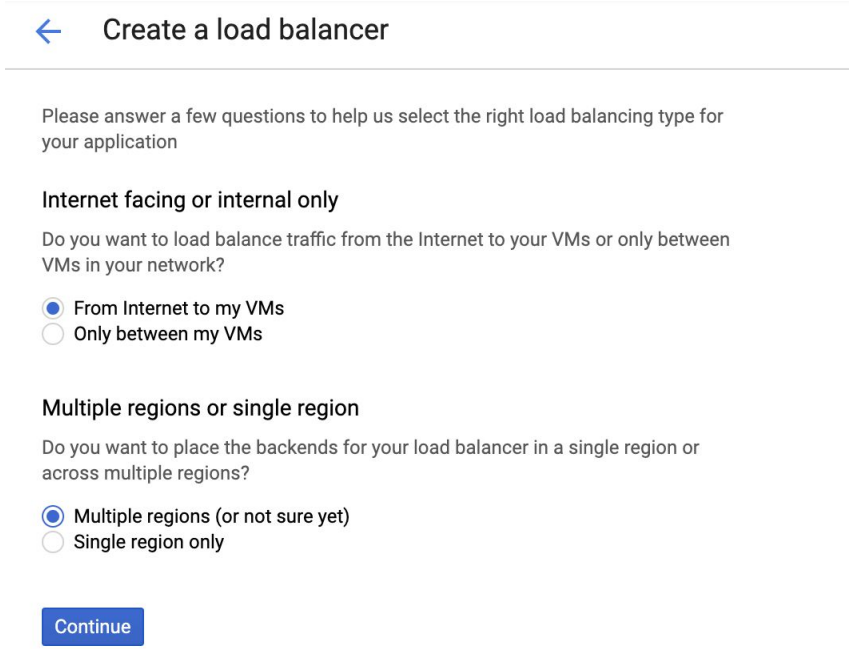
注意: 多个GLB-TCP Proxy无法共用IP, GLB-HTTP Proxy可以



Source: Lorem ipsum dolor sit amet, consectetur adipiscing elit. Duis non erat sem

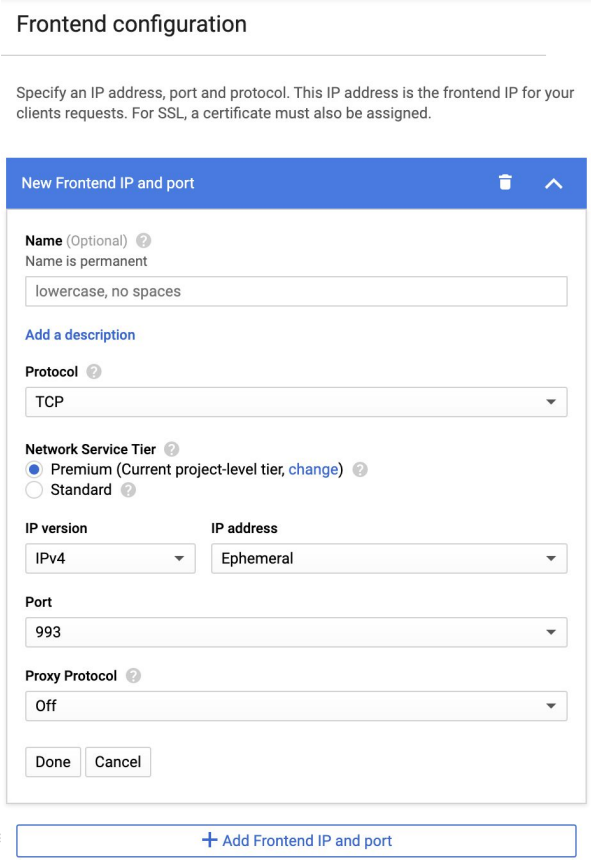
5. 创建TCP Proxy LB 1

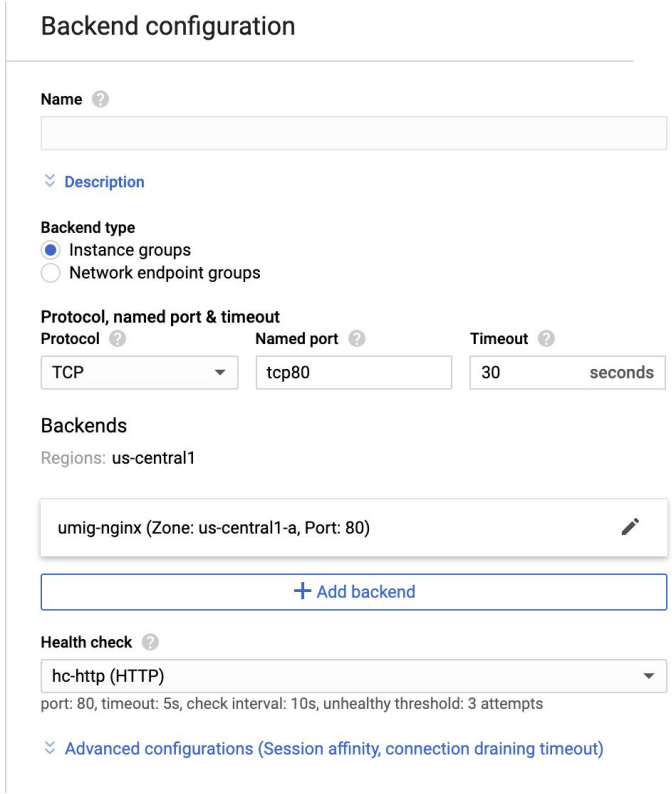




Source: Lorem ipsum dolor sit amet, consectetur adipiscing elit. Duis non erat sem

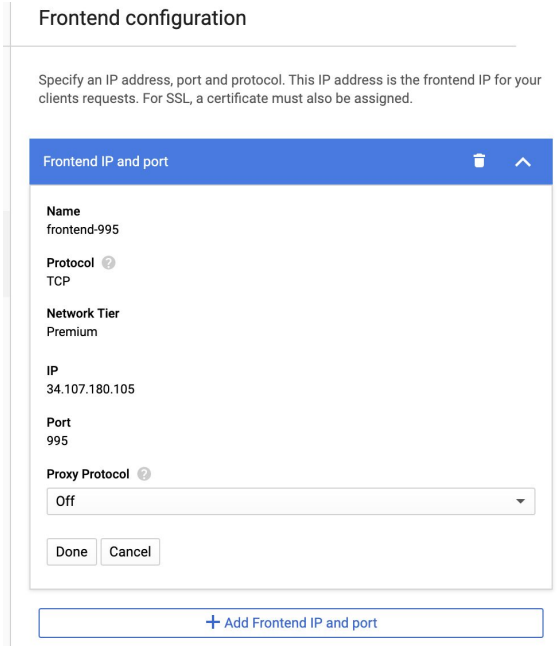
分别为这个TCP/SSL Load Balancer选择Frontend和Backend

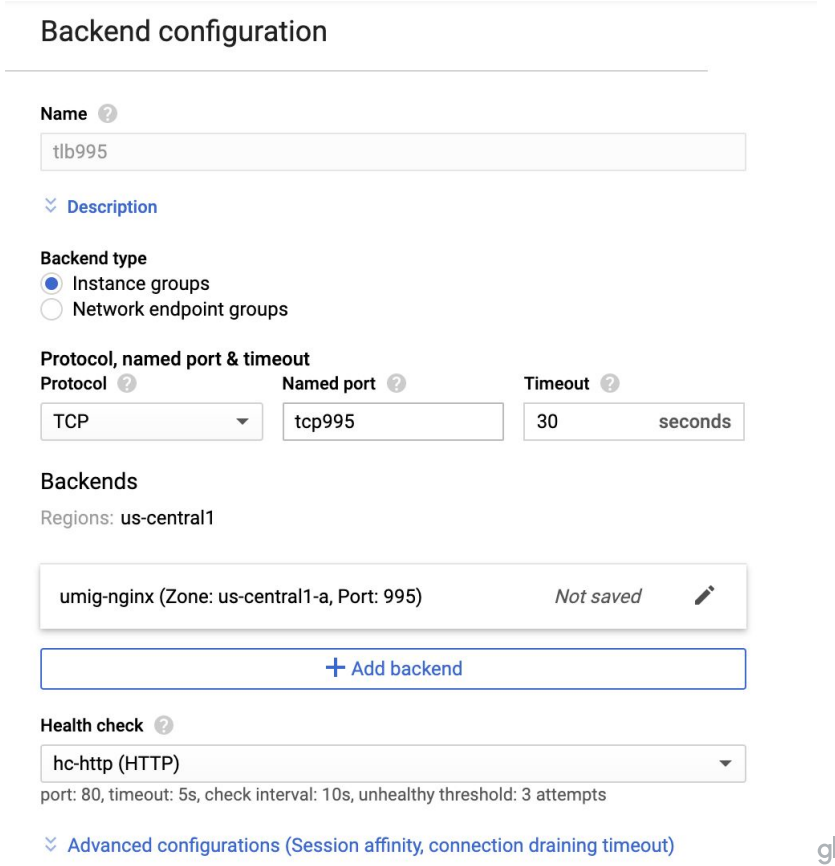




Source: Lorem ipsum dolor sit amet, cons

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同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