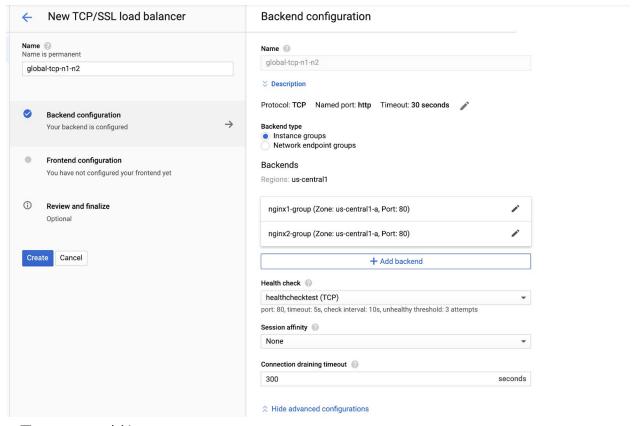
global tcp LB and proxy client ip

https://cloud.google.com/load-balancing/docs/tcp/setting-up-tcp

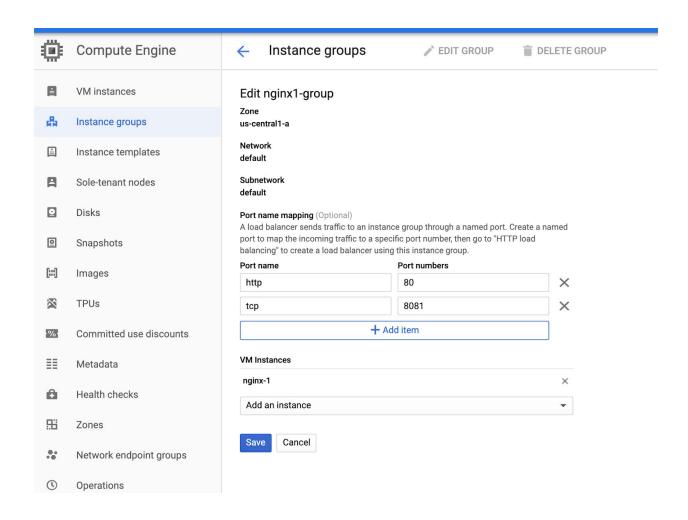
LB Name: global-tcp-n1-n2 IP:Port http://34.96.92.171:25/

1 setup global tcp LB

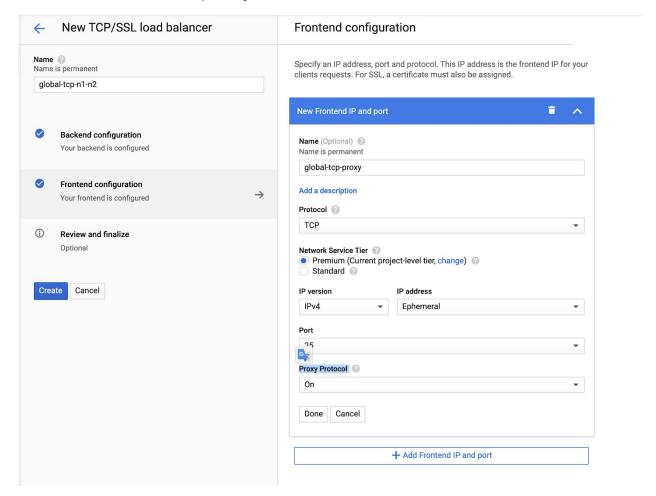
1.1 后端设置



配置name port 映射



1.2 设置前端并打开proxy 协议



2配置proxy协议

修改nginx http 启动配置来支持TCP PROXY头。否则会出现400错误 https://docs.nginx.com/nginx/admin-quide/load-balancer/using-proxy-protocol/

sudo vim /etc/nginx/nginx.conf
sudo service nginx restart

```
http {

##

# Basic Settings

##

server {

    listen 80 proxy_protocol;

    listen 443 ssl proxy_protocol;

#...
}
```

3 测试

3.2 Nginx Web

curl -v 35.244.241.122:1883

查看nginx 日志 发现proxy tcp4 cat /var/log/nginx/access.log 35.191.9.25 - - [18/Dec/2019:12:18:58 +0000] "PROXY TCP4 203.208.61.208 35.244.241.122 49246 1883" 400 173 "-" "-"

```
169.254.169.254 - [18/Dec/2019:12:18:47 +0000] "GET / HTTP/1.1" 200 616 "-" "GoogleHC/1.0"
169.254.169.254 - [18/Dec/2019:12:18:55 +0000] "GET / HTTP/1.1" 200 616 "-" "GoogleHC/1.0"
169.254.169.254 - [18/Dec/2019:12:18:55 +0000] "GET / HTTP/1.1" 200 616 "-" "GoogleHC/1.0"
169.254.169.254 - [18/Dec/2019:12:18:57 +0000] "GET / HTTP/1.1" 200 616 "-" "GoogleHC/1.0"
169.254.169.254 - [18/Dec/2019:12:18:58 +0000] "GET / HTTP/1.1" 200 616 "-" "-"
35.191.9.25 - [18/Dec/2019:12:18:58 +0000] "PROXY TCP4 203.208.61.208 35.244.241.122 49246 1883" 400 1
37 "-" ""
169.254.169.254 - [18/Dec/2019:12:19:00 +0000] "GET / HTTP/1.1" 200 616 "-" "GoogleHC/1.0"
169.254.169.254 - [18/Dec/2019:12:19:05 +0000] "GET / HTTP/1.1" 200 616 "-" "GoogleHC/1.0"
169.254.169.254 - [18/Dec/2019:12:19:07 +0000] "GET / HTTP/1.1" 200 616 "-" "GoogleHC/1.0"
169.254.169.254 - [18/Dec/2019:12:19:10 +0000] "GET / HTTP/1.1" 200 616 "-" "GoogleHC/1.0"
169.254.169.254 - [18/Dec/2019:12:19:10 +0000] "GET / HTTP/1.1" 200 616 "-" "GoogleHC/1.0"
169.254.169.254 - [18/Dec/2019:12:19:15 +0000] "GET / HTTP/1.1" 200 616 "-" "GoogleHC/1.0"
169.254.169.254 - [18/Dec/2019:12:19:15 +0000] "GET / HTTP/1.1" 200 616 "-" "GoogleHC/1.0"
```

Debug:

Issue 1 返回400

```
junsong-macbookpro:~ junsong$ curl -v 35.244.241.122:1883
 Rebuilt URL to: 35.244.241.122:1883/
   Trying 35.244.241.122...
* TCP_NODELAY set
* Connected to 35.244.241.122 (35.244.241.122) port 1883 (#0)
> GET / HTTP/1.1
> Host: 35.244.241.122:1883
 User-Agent: curl/7.54.0
Accept: */*
< HTTP/1.1 400 Bad Request
< Server: nginx/1.10.3
< Date: Wed, 18 Dec 2019 12:32:43 GMT
< Content-Type: text/html
< Content-Length: 173
< Connection: close
<html>
<head><title>400 Bad Request</title></head>
<body bgcolor="white">
<center><h1>400 Bad Request</h1></center>
<hr><center>nginx/1.10.3</center>
</body>
</html>
* Closing connection 0
junsong-macbookpro:~ junsong$
```

分析:

传递了空的头, LB 打开proxy就会出现400