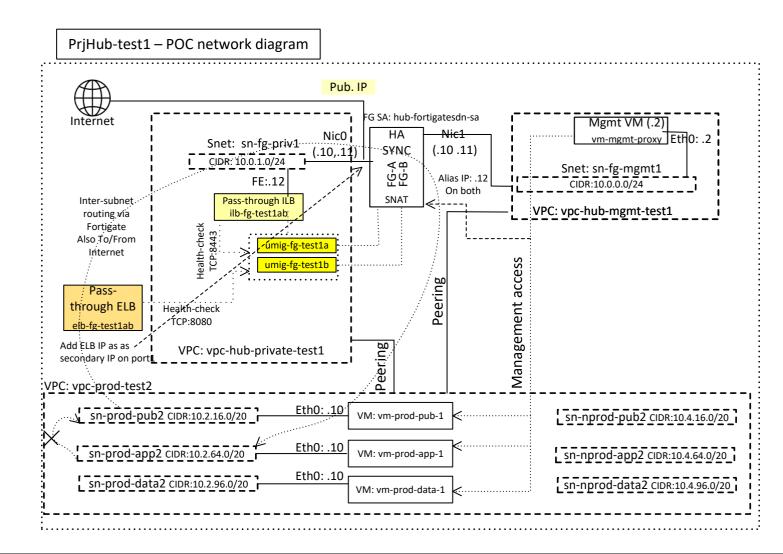
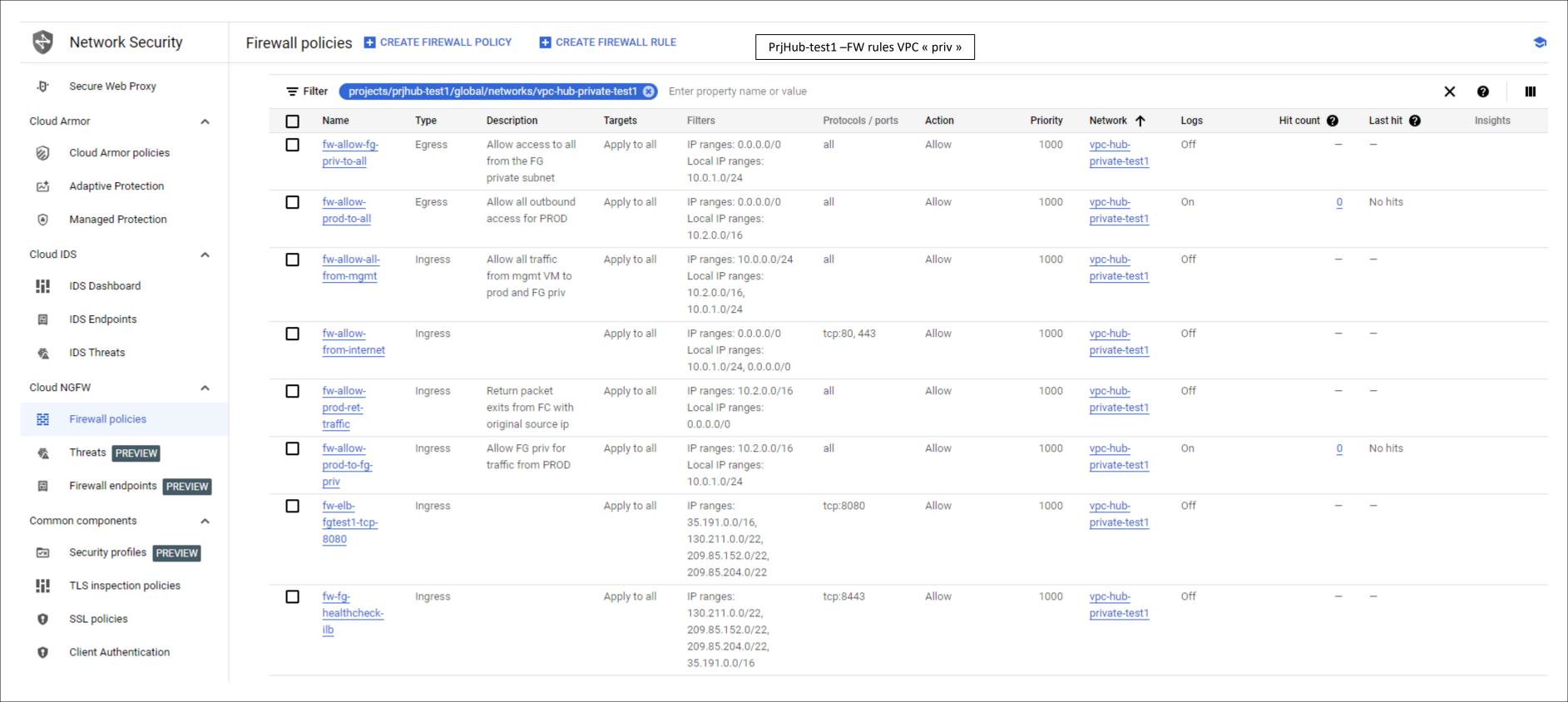
# Hub & Spoke « Light » (take 1, POC) based on HUB-ENV





Note: App Engine firewalls are managed in the App Engine Firewall rules section 2.

● SMTP port 25 allowed in this project. <u>Learn more</u> 🖸

∓ Fi	Filter projects/prjhub-test1/global/networks/vpc-hub-mgmt-test1 S Enter property name or value											× Ø III	
	Name	Туре	Description	Targets	Filters	Protocols / ports	Action	Priority	Network ↑	Logs	Hit count ?	Last hit 🔞	Insights
	fw-mgmt- vm-to-all	Egress	Allow all outbound access for mgmt VM and FG mgmt ports (for license validation)	Apply to all	IP ranges: 0.0.0.0/0 Local IP ranges: 10.0.0.0/24	all	Allow	1000	vpc-hub- mgmt-test1	Off	_	_	^
	fw-allow- fg-snat-to- mgmt	Ingress	Allow return traffic from SNAT FG	Apply to all	IP ranges: 10.0.1.0/24 Local IP ranges: 10.0.0.0/24	all	Allow	1000	vpc-hub- mgmt-test1	On	<u>0</u>	No hits	^
	fw-allow- internet-to- proxy-vm	Ingress	Allow public access to the management VM	Apply to all	IP ranges: 0.0.0.0/0 Local IP ranges: 10.0.0.2	tcp:22, 443	Allow	1000	vpc-hub- mgmt-test1	Off	-	_	^
	fw-allow- ssh-vm- proxy	Ingress	Allow access from proxy VM to FG port 2	Apply to all	IP ranges: 10.0.0.2 Local IP ranges: 10.0.0.10/31	tcp:22, 443, 8080, 8443	Allow	1000	vpc-hub- mgmt-test1	Off	-	-	View all row conte

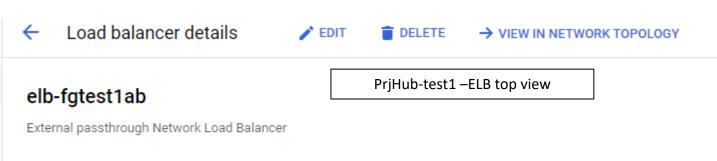
### **VPC firewall rules**

Firewall rules control incoming or outgoing traffic to an instance. By default, incoming traffic from outside your network is blocked. <u>Learn more</u> ☑

PrjHub-test1 –FW rules VPC « prod »

Note: App Engine firewalls are managed in the App Engine Firewall rules section 2.

∓ Fi	projecto/prj	nas teotiygio	bal/networks/vpc-pr	Enter	property name or val	w w							× 0
	Name	Туре	Description	Targets	Filters	Protocols / ports	Action	Priority	Network ↑	Logs	Hit count ?	Last hit 🔞	Insights
	fw-allow-prod- to-all-2	Egress		Apply to all	IP ranges: 0.0.0.0/0 Local IP ranges: 10.2.0.0/16	all	Allow	1000	vpc-prod- test2	Off	-	_	^
	fw-allow-all- from-mgmt-2	Ingress		Apply to all	IP ranges: 10.0.0.0/24 Local IP ranges: 10.2.0.0/16	all	Allow	1000	vpc-prod- test2	Off	-	-	^
	fw-allow-fg- snat-and-prod- to-prod-2	Ingress		Apply to all	IP ranges: 10.0.1.0/24, 10.2.0.0/16 Local IP ranges: 10.2.0.0/16	all	Allow	1000	vpc-prod- test2	Off	-	-	View all row con



### Frontend

Protocol ↑	IP version	IP:Port	Network Tier ?
L3 (Multiple protocols)	IPv4	34.95.42.166:all	Premium

### Backend

 Region
 Endpoint protocol
 Session affinity
 Health check
 Logging

 northamerica-northeast1
 L3 (Multiple protocols)
 None
 hchk-elb-fg-test1
 Disabled

### ADVANCED CONFIGURATIONS

Instance group	IP stack type	Zone	Healthy	Autoscaling	Use as failover group
umig-fg-test1a	IPv4	northamerica-northeast1-a	0 of 0	No configuration	No
umig-fg-test1b	IPv4	northamerica-northeast1-b	1 of 1	No configuration	Yes

Load Balancer name
elb-fgtest1ab

Region
northamerica-northeast1

Backend configuration

Frontend configuration

Review and finalize (optional)

# **Backend configuration** Backend service Name elb-fgtest1ab Backend type Instance group Protocol L3 (Multiple protocols) **Backends** umig-fg-test1a northamerica-northeast1-a umig-fg-test1b northamerica-northeast1-b (Failover group) ADD A BACKEND Health check \* hchk-elb-fg-test1 region: northamerica-northeast1, port: 8080, timeout: 5s, check interval: 5s, unhealthy threshold: 2 attempts The health check probes to your load balancer backends come from health check probe IP address ranges. Ensure you have configured ingress firewall rules that permit traffic from these ranges. Learn more [2] Session affinity -None Logging @ Enable logging



### Edit external passthrough Network Load Balancer

PrjHub-test1 –ELB frontend

Load Balancer name

elb-fgtest1ab

Region

northamerica-northeast1

- Backend configuration
- Frontend configuration
- (i) Review and finalize (optional)

### Frontend configuration

Specify an IP address, port and protocol. This IP address is the frontend IP for your clients requests.

# Name elb-fgtest1ab-forwarding-rule Toggle "Protocol: L3 (Multiple protocols 34.95.42.166, Port: all"

Protocol

L3 (Multiple protocols)

IP version

IPv4

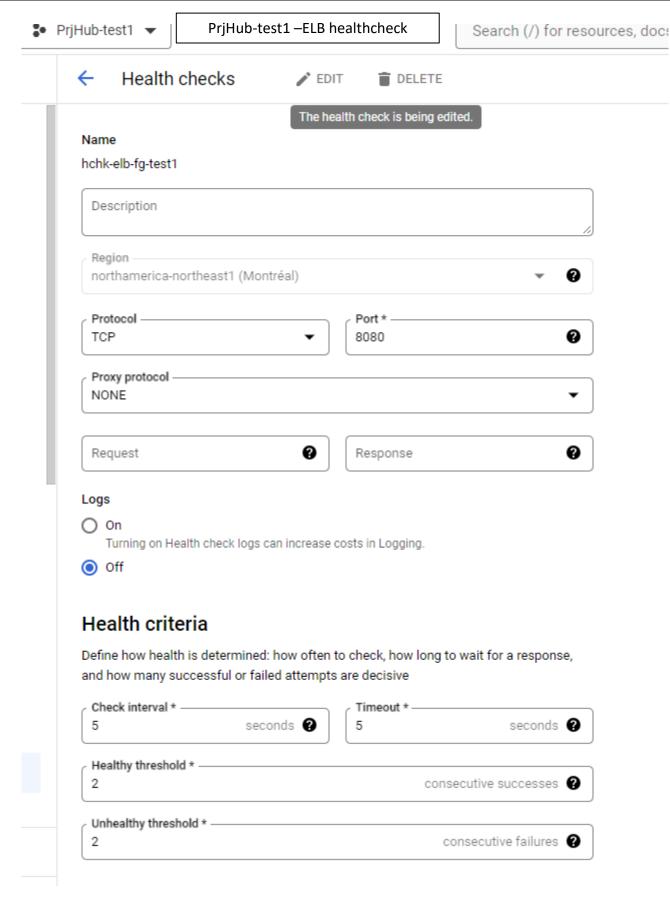
IP address

34.95.42.166

Ports

all

DONE



PrjHub-test1 –ILB top-view







## ilb-fg-test1ab

Internal passthrough Network Load Balancer

### Frontend

Protocol ↑	IP version	Scope	Subnetwork	IP:Ports	DNS name
L3 (Multiple protocols)	IPv4	northamerica-northeast1	sn-fg-priv1	10.0.1.12:all	

### Backend

RegionNetworkEndpoint protocolSession affinityHealth checkLoggingnorthamerica-northeast1vpc-hub-private-test1L3 (Multiple protocols)Nonehchk-ilb-fg-test1Disabled

### **✓** ADVANCED CONFIGURATIONS

Instance group '	IP stack type	Scope	Healthy	Autoscaling	Use as failover group	
umig-fg-test1a	IPv4	northamerica-northeast1-a	1 of 1	No configuration	No	
umig-fg-test1b	IPv4	northamerica-northeast1-b	1 of 1	No configuration	Yes	

### Load Balancer name

ilb-fg-test1ab

### Region

northamerica-northeast1

### Network

vpc-hub-private-test1

- Backend configuration
- Frontend configuration
- (i) Review and finalize (optional)

### **Backend configuration**

### Backend service

### Name

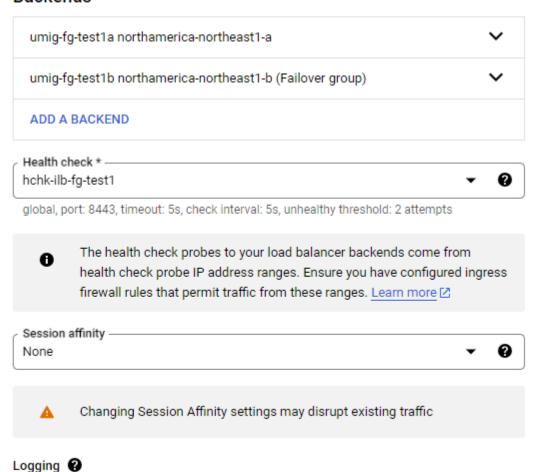
ilb-fg-test1ab

### Protocol

L3 (Multiple protocols)

### **Backends**

Enable logging





# oad balancers list page ilb-fg-test1ab Region northamerica-northeast1 Network vpc-hub-private-test1 Backend configuration Frontend configuration

Review and finalize (optional)

### Frontend configuration

