IPTV项目实施方案（上海）

第一步接口配置SH\_FW1\_7600：

interface T-GigabitEthernet 3/0/2 .101

vlan-type dot1q 101

description To\_hengbang

ip address 100.127.246.65 255.255.255.252

service-manage ping permit

service-manage ssh permit

service-manage snmp permit

service-manage telnet permit

interface T-GigabitEthernet 3/0/1

description To\_SH\_FW2\_7600

ip address 100.127.246.73 255.255.255.252

interface T-GigabitEthernet 1/0/2

description To\_CDN1

ip address 100.127.246.77 255.255.255.252

interface loopback0

ip address 100.127.255.17 255.255.255.255

第二步路由配置：

1. 互指两台防火墙的loopback地址为下面两台防火墙建立ibgp做好准备

ip route-statc 100.127.255.18 255.255.255.255 100.127.246.74

2、与横浜建立EBGP关系，与FW2建立IBGP关系

bgp 64520

router-id 100.127.255.17

peer 100.127.246.66 as-number 4809

peer 100.127.246.66 description TO\_hengbang#到横浜

peer 100.127.246.66 connect-interface GigabitEthernet3/0/2.101

peer 100.127.255.18 as-number 64520#与SH\_FW2\_7600建立IBGP关系

peer 100.127.255.18 connect-interface loobpack0

ipv4-family unicast

undo synchronization

network 100.127.96.0 21 #NAT业务地址段是做了地址汇总的

network 100.127.255.17 32 #防火墙loopback口ip

network 100.127.246.64 30 #把与横浜互联地址段发布给PE

peer 100.127.246.66 enable #与横浜建立EBGP

peer 100.127.246.66 ip-prefix IPTV export

peer 100.127.255.18 enable

ip route-statc 100.127.96.0 21 Null0

ip route-statc 100.127.255.17 32 Null0

ip route-statc 100.127.246.64 30 Null0

ip route-statc 100.127.246.68 30 Null0

3、配置两条默认路由但是加上开销以达到链路的互为备份的效果

ip route-statc 0.0.0.0 0.0.0.0 100.127.246.66

4、因为CDN下面的城域网iptv终端的要访问CN2的iptv服务器所以所在城域网那边的三层路由选择设备需要添加相应的平台服务器网段的路由（见IPTV-PT）

5、配置路由策略：

ip ip-prefix IPTV index 10 permit 100.127.96.0 21

ip ip-prefix IPTV index 20 permit 100.127.255.17 32

ip ip-prefix IPTV index 30 permit 100.127.246.64 30

ip ip-prefix IPTV index 40 permit 100.127.246.68 30

IPTV-PT这下面的网段是CDN发布给城域网的都CN2服务器的ip段

ip ip-prefix IPTV-PT index 10 permit 100.127.224.0 23

ip ip-prefix IPTV-PT index 20 permit 100.127.240.0 22

ip ip-prefix IPTV-PT index 30 permit 100.127.226.0 24

ip ip-prefix IPTV-PT index 40 permit 100.127.227.0 24

ip ip-prefix IPTV-PT index 50 permit 100.127.228.0 25

ip ip-prefix IPTV-PT index 60 permit 100.127.228.128 25

ip ip-prefix IPTV-PT index 70 permit 100.127.229.0 24

第四步：配置安全域

到民生和恒邦的两个接口划为untrust

到下面CDN的接口和两防火墙互联口划为trust

第五步：配置NAT

因为下面iptv终端ip段10.0.0.0/8到14.0.0.0/8和20.0.0.0/8到24.0.0.0/8

所以在防火墙上可做以下配置

ip address-set IPTV type group

address 5 10.0.0.0 mask 8

address 6 11.0.0.0 mask 8

address 7 12.0.0.0 mask 8

address 8 13.0.0.0 mask 8

address 9 14.0.0.0 mask 8

address 10 20.0.0.0 mask 8

address 11 21.0.0.0 mask 8

address 12 22.0.0.0 mask 8

address 13 23.0.0.0 mask 8

address 14 24.0.0.0 mask 8

nat address-group IPTV\_out\_address

section 0 100.127.32.1 100.127.47.255

nat-policy

rule name IPTV

source-zone trust

destination-zone untrust

source-address address-set IPTV

action nat address-group IPTV\_out\_address