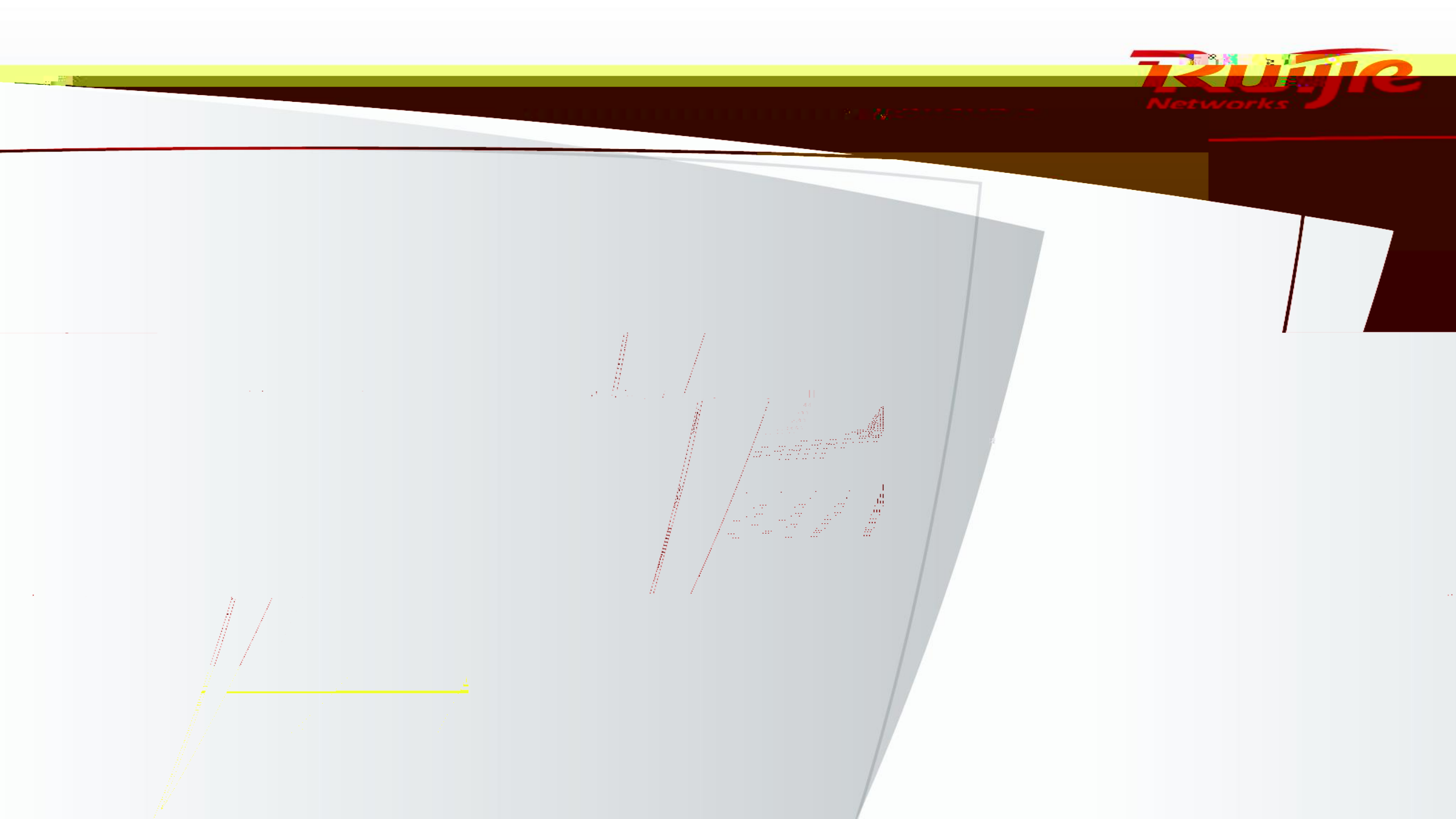
RG-EG3200



/

key / normal unkey

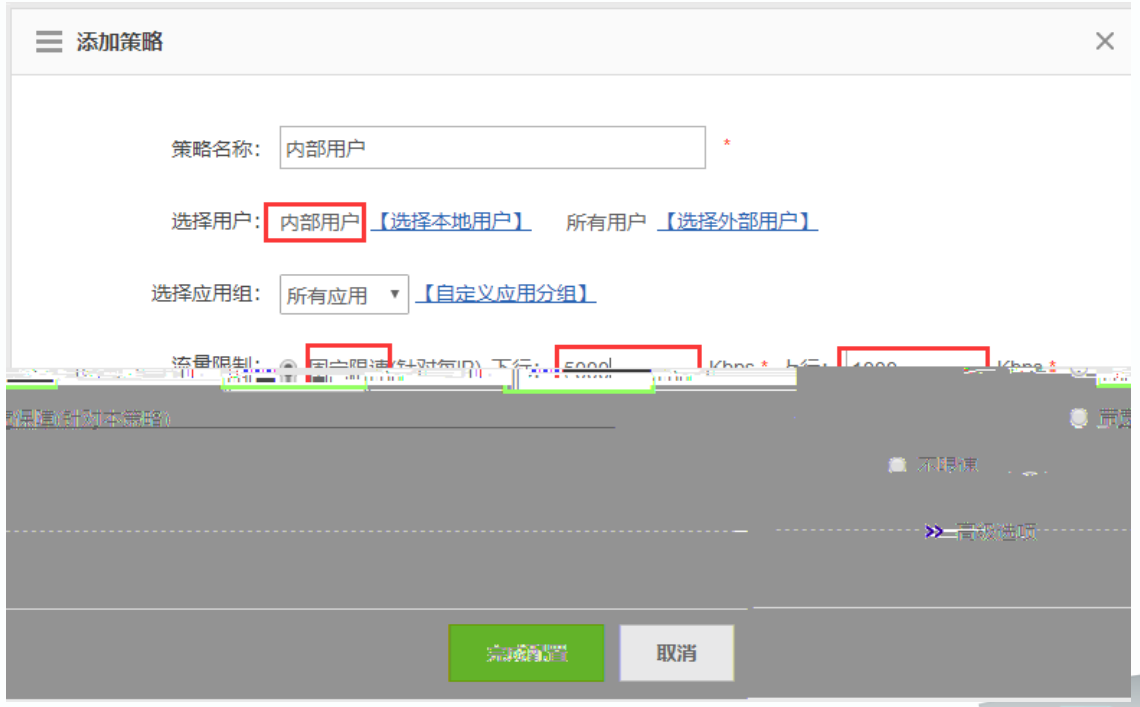
P2P

vpn

3

1000Kb 5000Kb

- “ ” 1000Kbp 5000Kbp



512Kb 2000Kb

- “ ” 1512Kb

2000Kb

Contents

- IPSEC VPN

100-1G EG

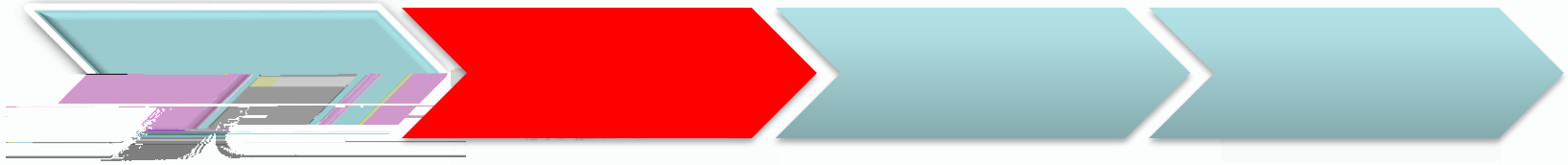
EG NAS

EG NAS EG NAS

EG NAS

- - MACC/ELOG

EG NAS



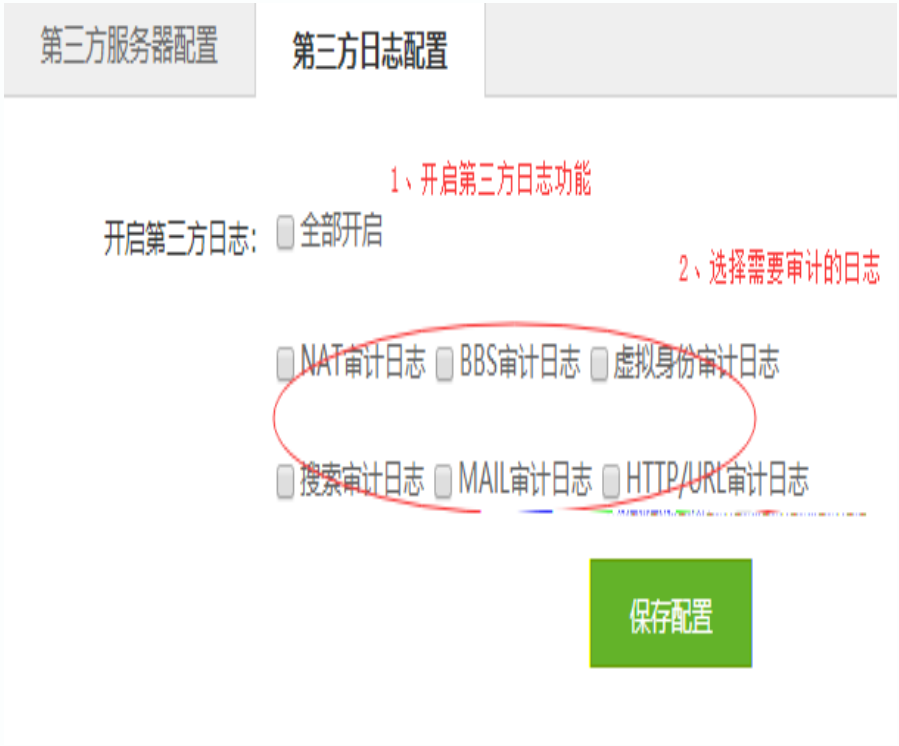
1 elog http://10.7.0.2:8080/elog/
2 macc http://10.7.0.2/specification/ https
1.2 IP vpn
1.3 mcp
elog

1
2 ADSL MAC IMSI portal

3
4 1021xxx

EG NAS

- -



CLI

nat-log police //

content-audit write-plog web-bbs // BBS

content-audit write-plog im // BBS

content-audit write-plog vid //

content-audit write-plog web-search //

content-audit write-plog mail //

content-audit write-plog web-mail // web

content-audit write-plog url // url

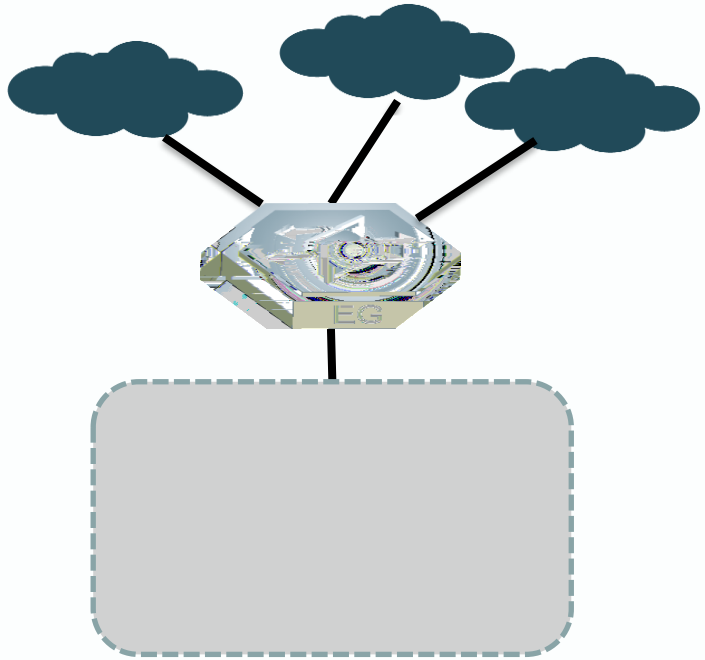
ELOG/MACC

1.1

1.2

Contents

- IPSEC VPN



EG

“ ”

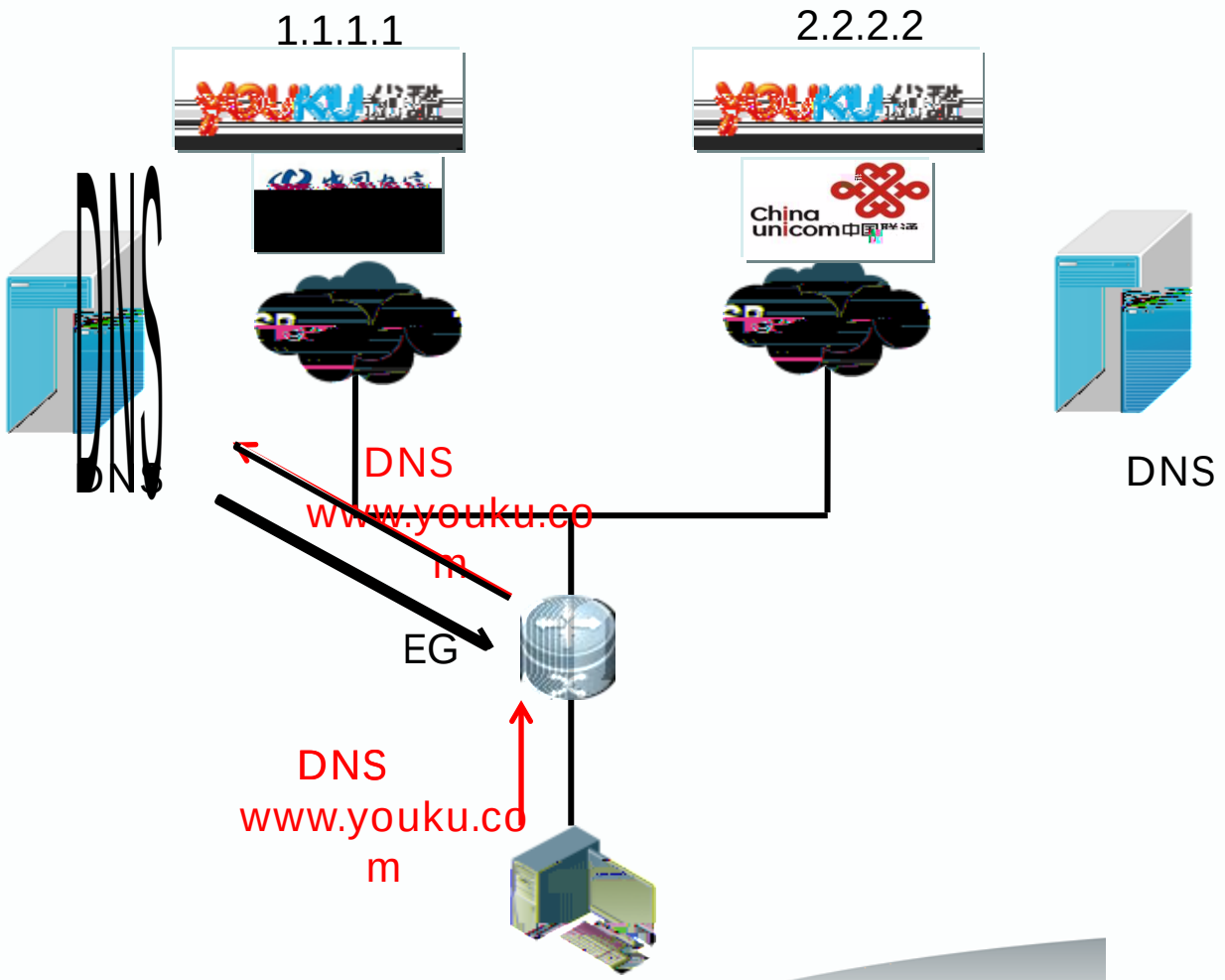
DNS PBR (app route) user route

(MLLB)

,

DNS

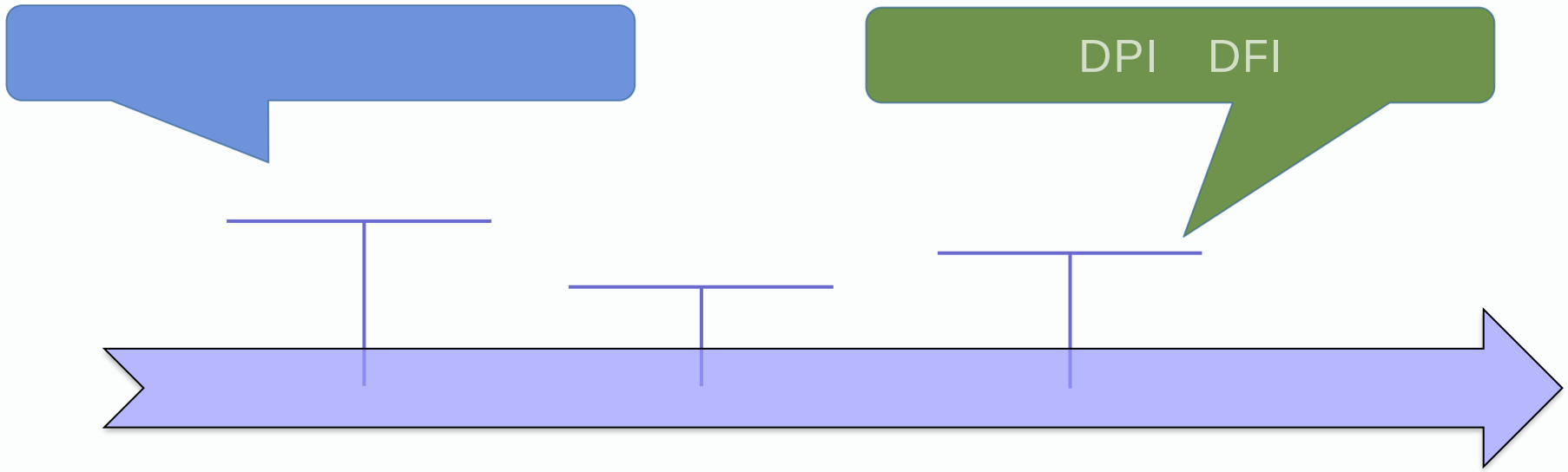
- DNS DNS


1.1.1.1
2.2.2.2
China unicom
DNS
DNS
www.youku.com
EG
DNS
www.youku.com
DNS

■ IP IP

P2P

DPI DFI



DPI DFI

DNS

-
  - BT
  -
- DNS
  - DNS

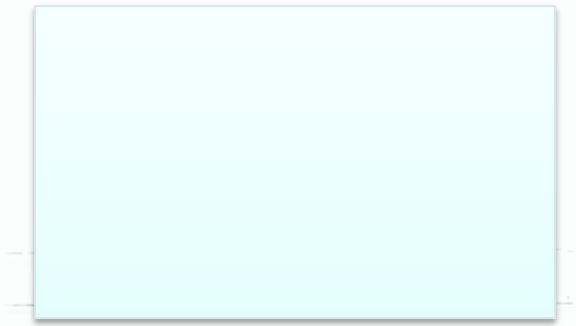
    DNS
  - DNS EG

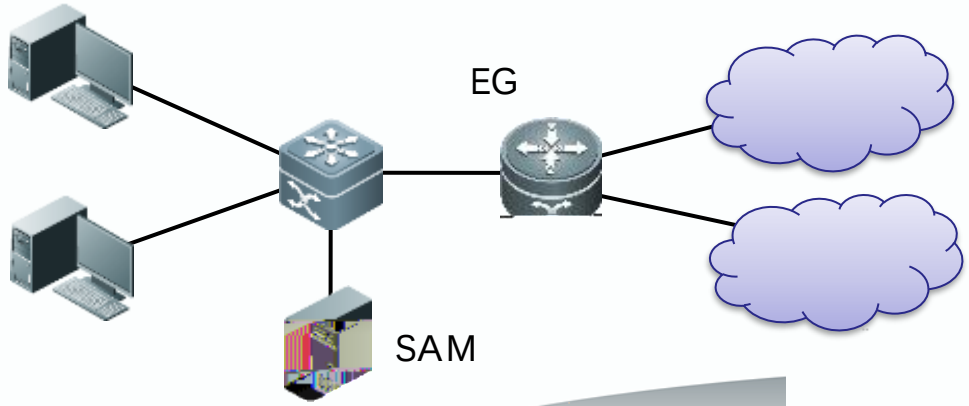
    DNS

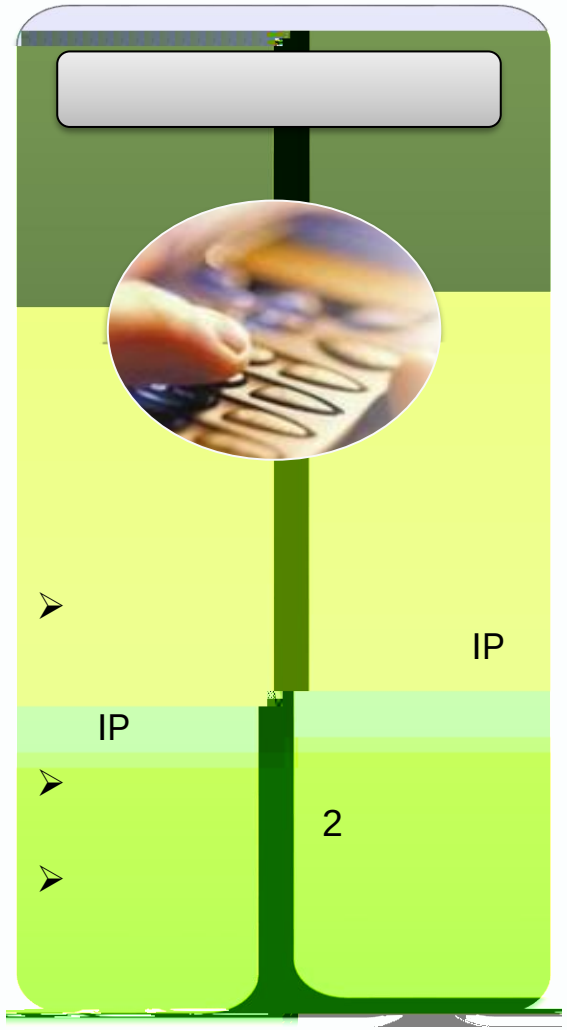
SAM

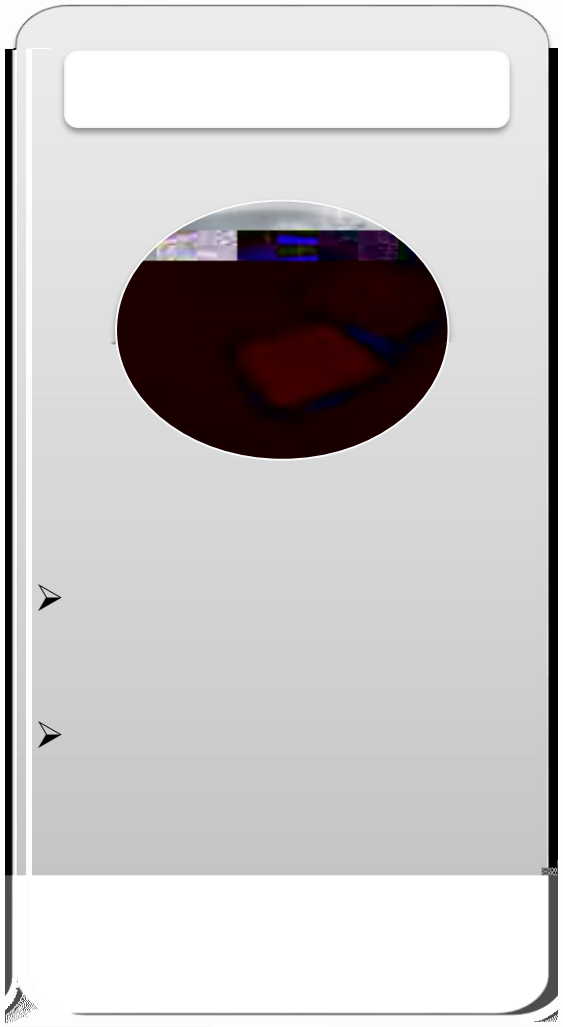
SAM SAM IP EG

EG






IP
IP
2



MLLB

N

10:1 11 10 1 1 2

11 10:1

- 100M 10M 1M

  100 10 1

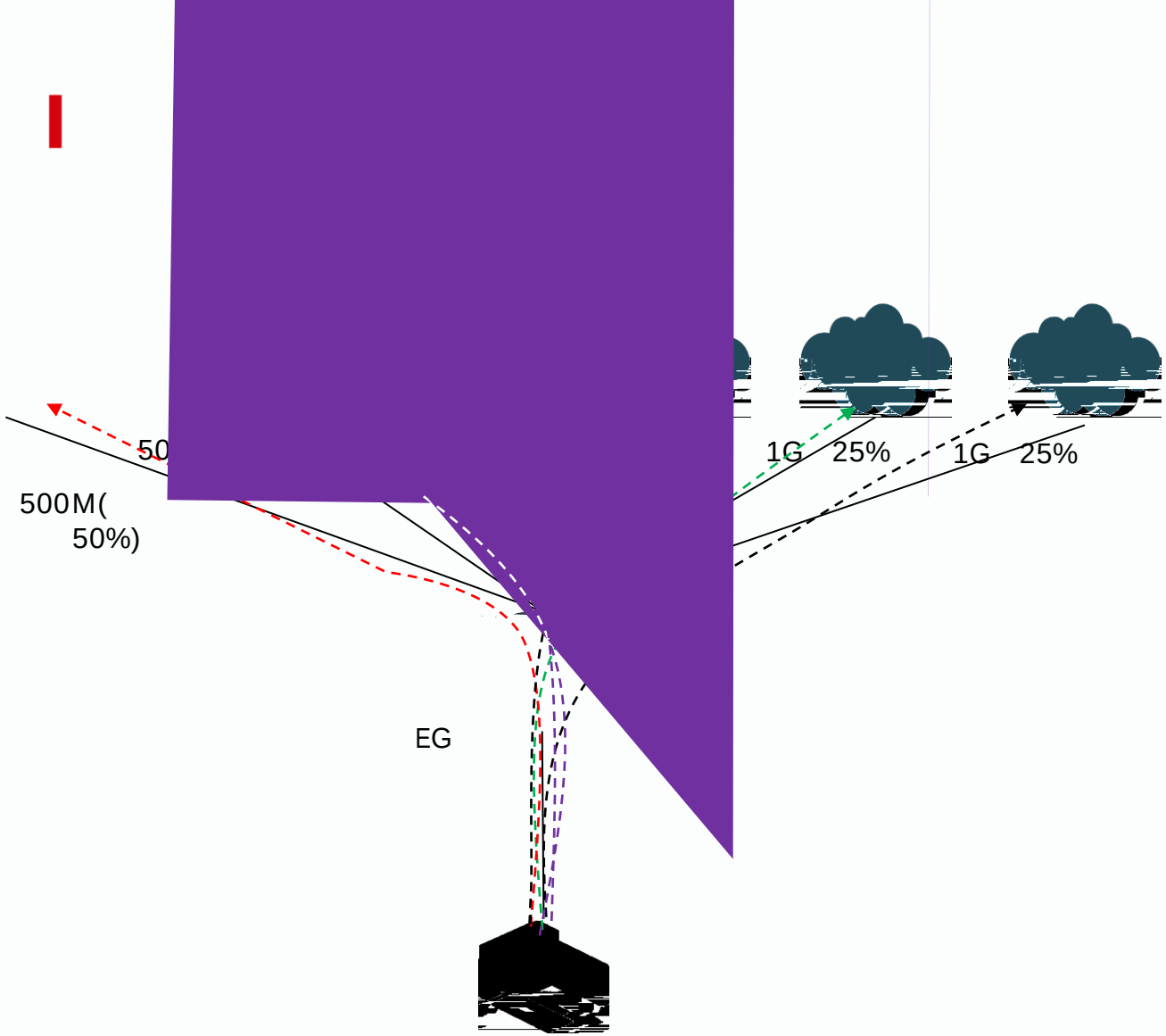
  100 10 1

MLLB

1.

5 /

2.



Step1 DNS

DNS

2:2:2:1:1:1

DNS

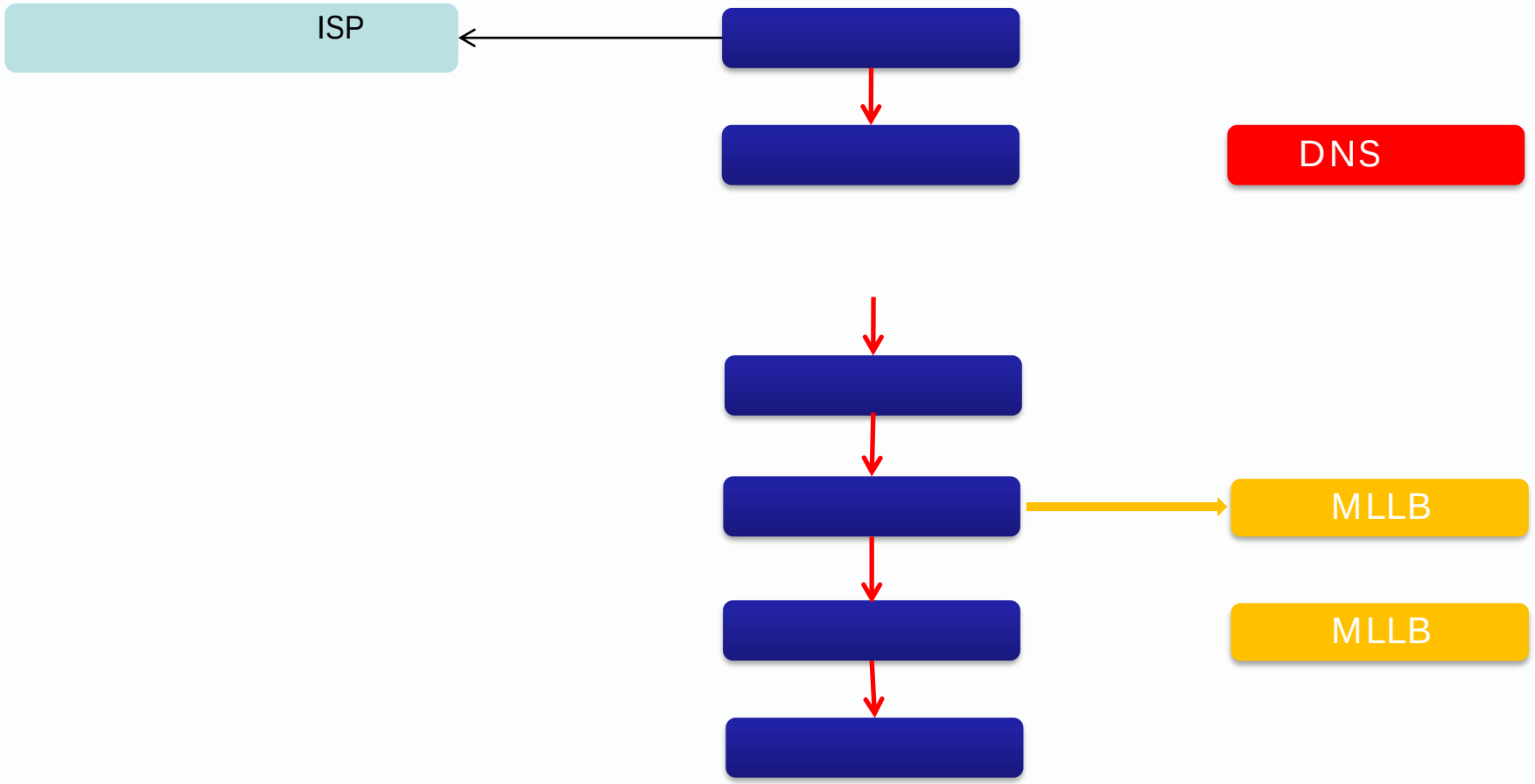
Step2 -> -> ->

-> -> ->

2

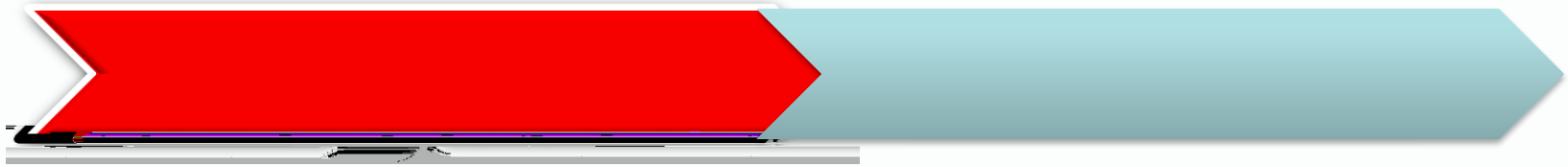
1

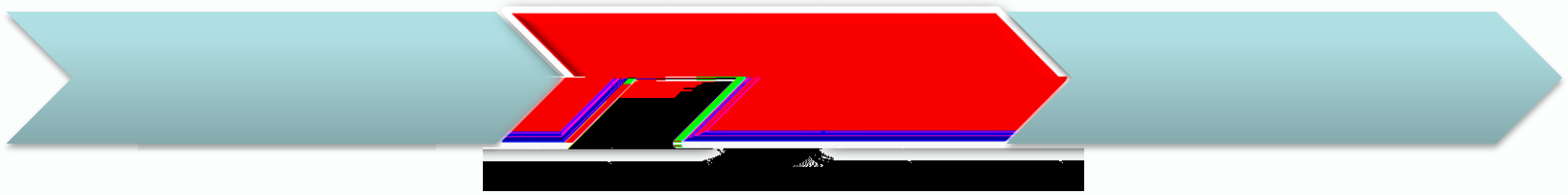
MLLB


ISP
DNS
MLLB
MLLB

ECMP MLLB

1 2 5





-
-

nexthop

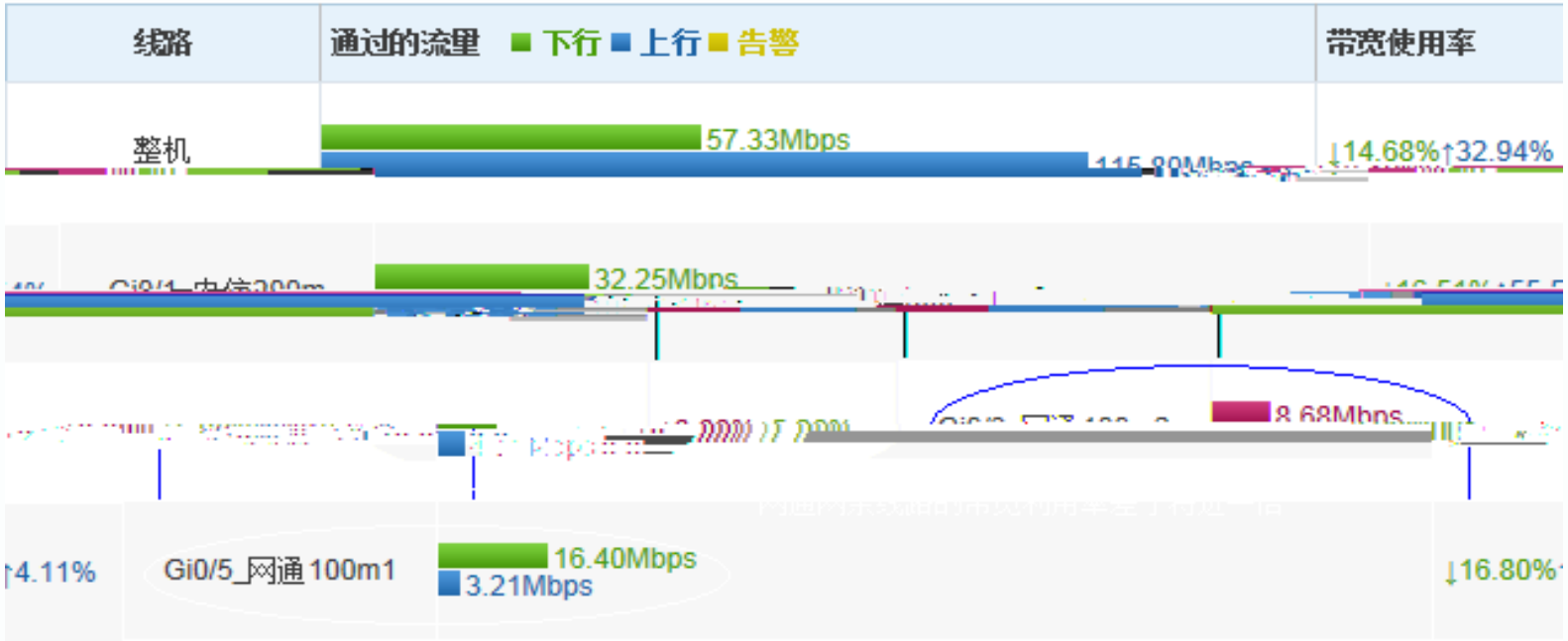
-
- route-auto-choose

rou
rou
rou

-
- nexthop

interface GigabitEthernet 0/1
duplex auto
speed auto
ip nat outside
ip address 222.74.35.98 255.255.255.224
flow-policy Gi0/1
nexthop 222.74.35.97
description 200m
bandwidth 200000

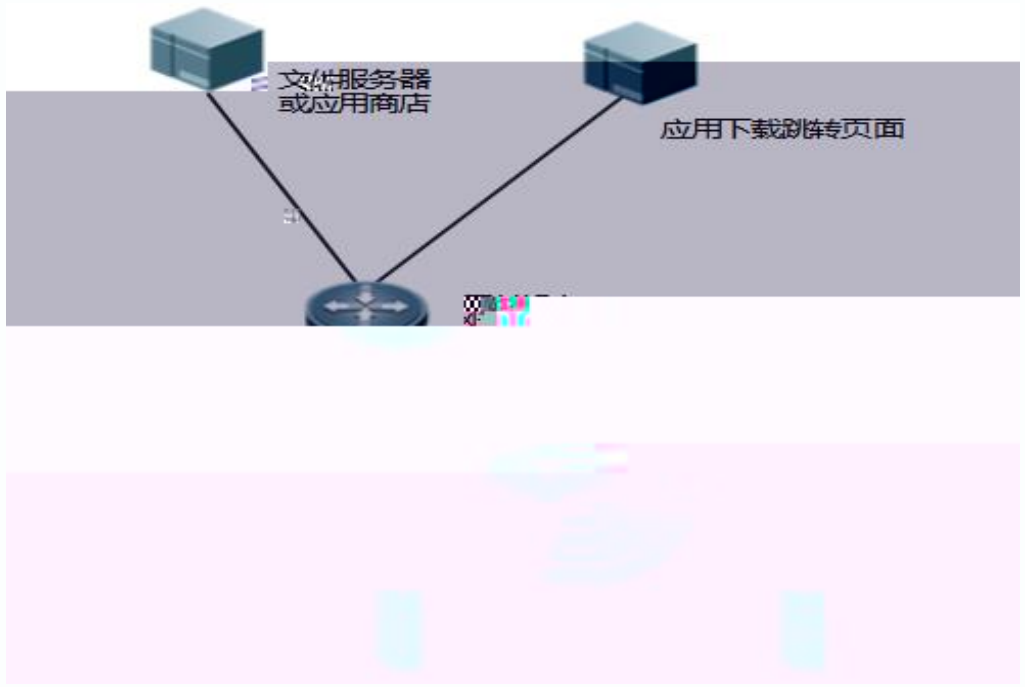

设置
线路负载均衡
自动进行合理的流量分配。
保存设置


线路
通过的流量 下行 上行 告警
带宽使用率
整机
57.33Mbps
↓14.68%↑32.94%
32.25Mbps
8.68Mbps
↑4.11%
Gi0/5_网通100m1
16.40Mbps
3.21Mbps
↓16.80%


线路
整机
G0/1_电信200m
两条联通线路的流量几乎相等

Contents

- IPSEC VPN



-

- APP

Portal APP EG

APP

(QQ)

( )

1) A TCP

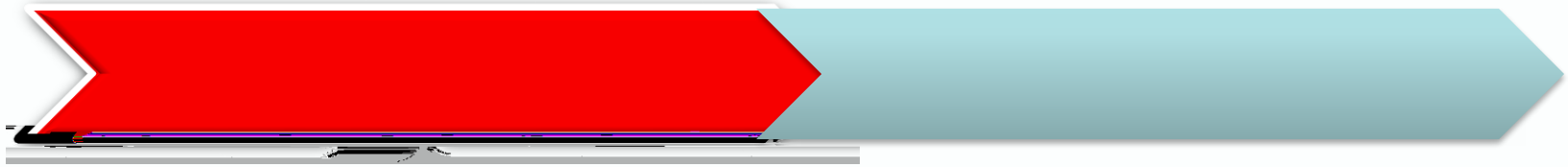
2) EG TCP TCP

A

QQ

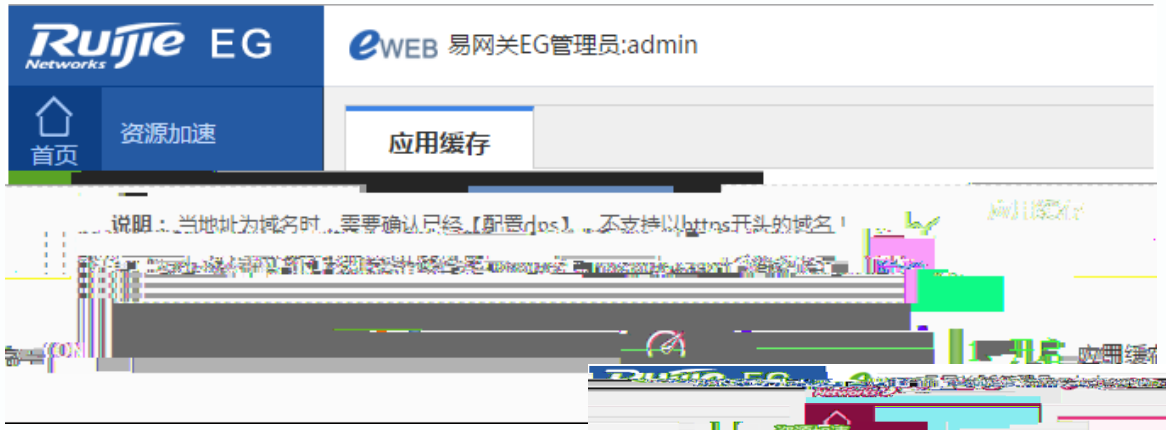
3) A, QQ EG

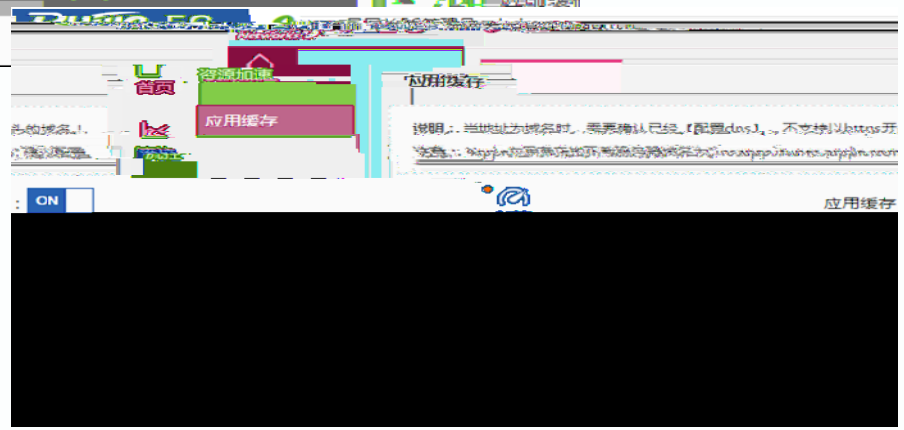
EG U



[redacted]ps.itunes.apple.com

- >

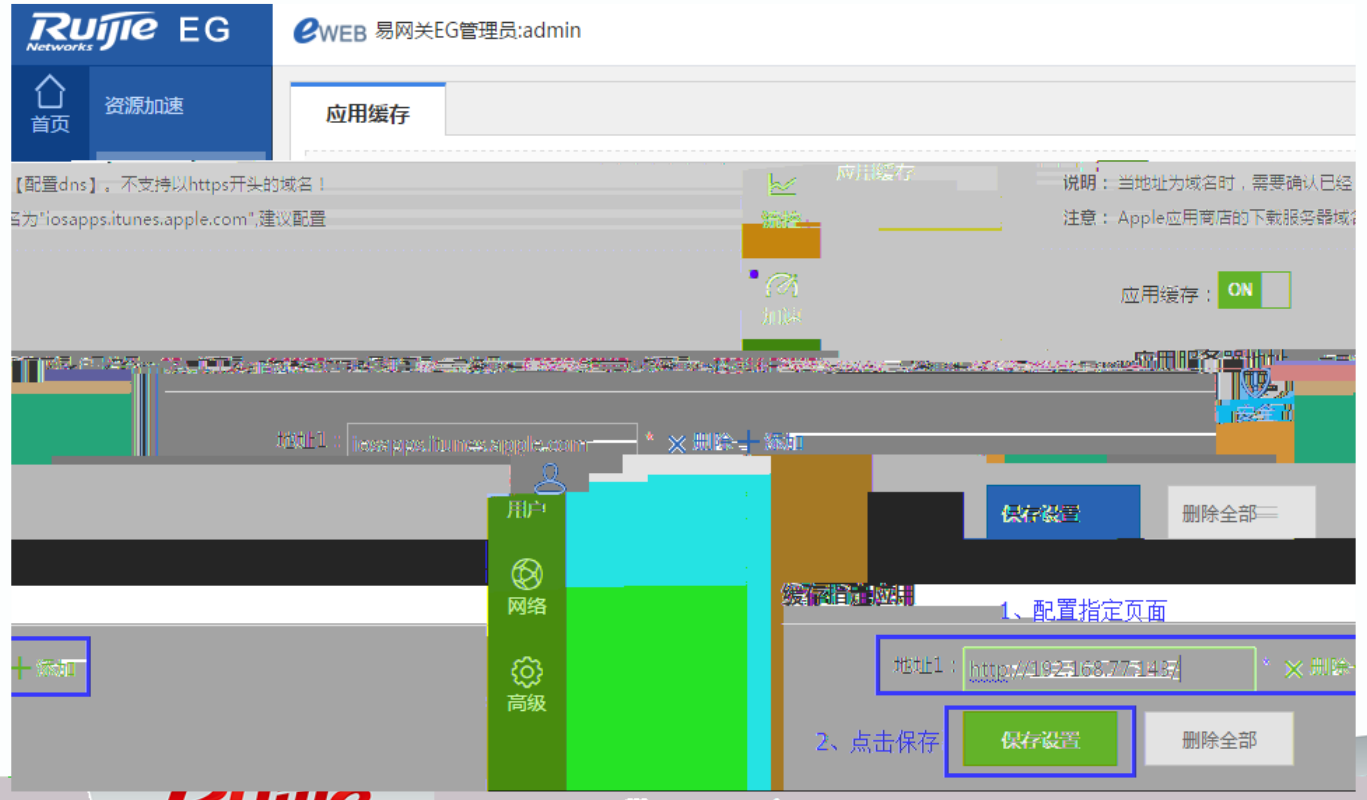


- 

1 dns

2 :

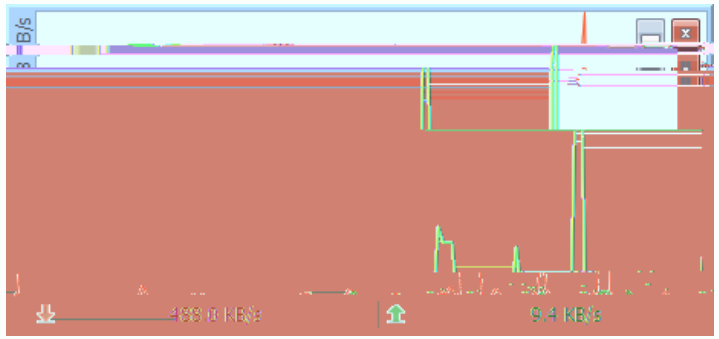
192.168.77.143



1 App store

2 App store

3



4 show was http app da 100

```
Ruijie#show was http app da 100
total num: 1
| key                                | path                          | size    | hitcount |
| d669fadc28b2bb8117d9eccb4bff dee5 | app_cache/20160518034156      | 3531444 | 0        |
in set (0.001 sec)                                                          1 rows
```

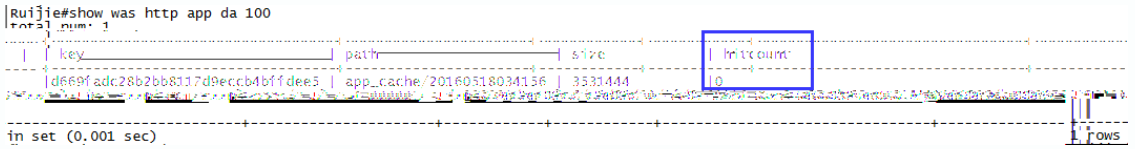
1

1 http://192.168.77.143

2 10 App store

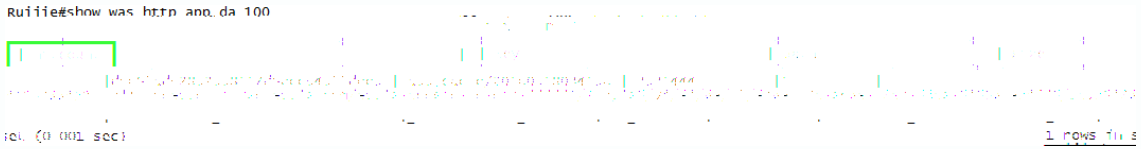
3 App store

4



1

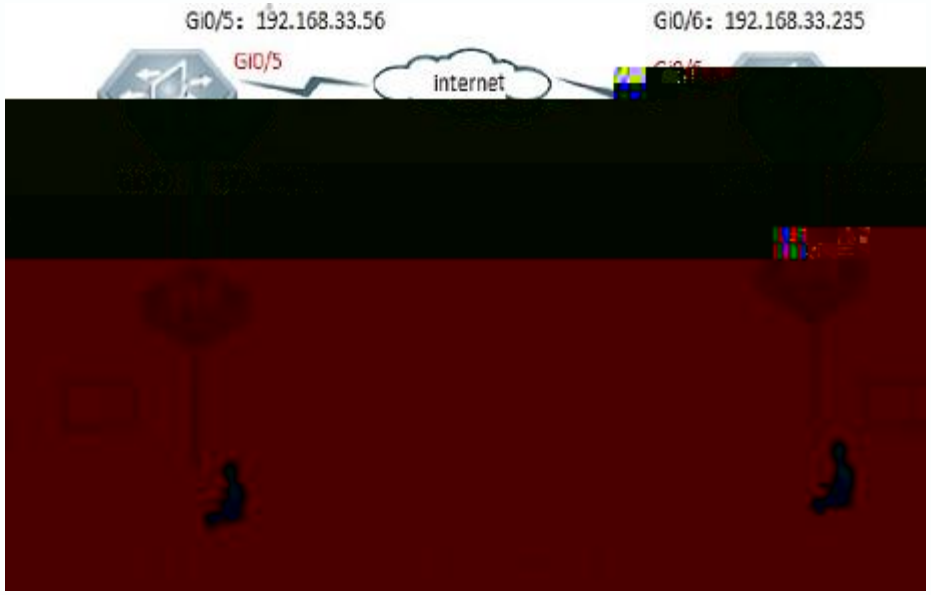
2 show was http app da 100



Contents

- IPSEC VPN

IPSEC -- ip



IP IP

IPSEC -- ip

IPSEC -- ip

"nexthop"

IPSEC -- ip

routeB **IPSEC**

VPN " “

“ ”

web dialer

IKE 3des-sha dh1

IPSec esp(des-sha)

IPSEC -- ip

routeA **IPSEC**

VPN “ “

“ ”

“ VPN ”

VPN IPSEC VPN

IPSEC VPN

IPSEC --

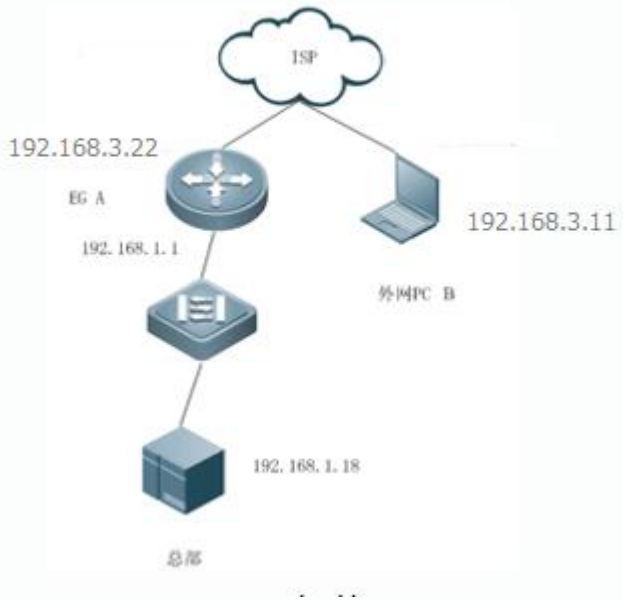
IPSEC -- ip

1 “ ”
web ipsec

2 vpn aaa
telnet

3 vpn

L2TP OVER IPSEC -- PC VPN



windows VPN PC

B EG IP 192.168.3.22/24 PC IP

192.168.3.11/24 IP 10.0.0.100~10.0.0.254

L2TP OVER IPSEC -- PC VPN

PC l2tp over ipsec VPN pptp VPN
l2tp over ipsec VPN

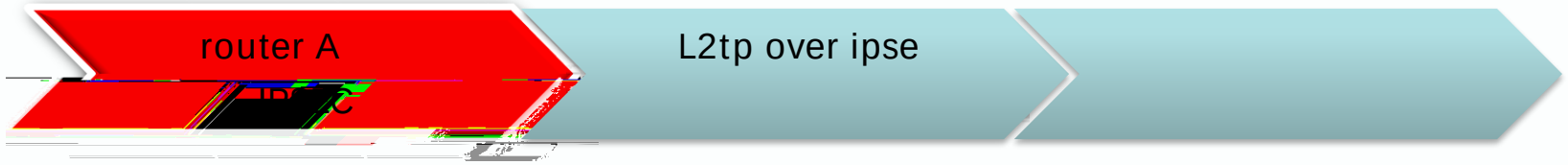
L2TP Over IPSec VPN

PC L2TP Over VPN

PC L2TP Over VPN

windows VPN IPSec
VPN L2TP Over IPSec VPN
L2TP Over IPSec

L2TP OVER IPSEC -- PC VPN

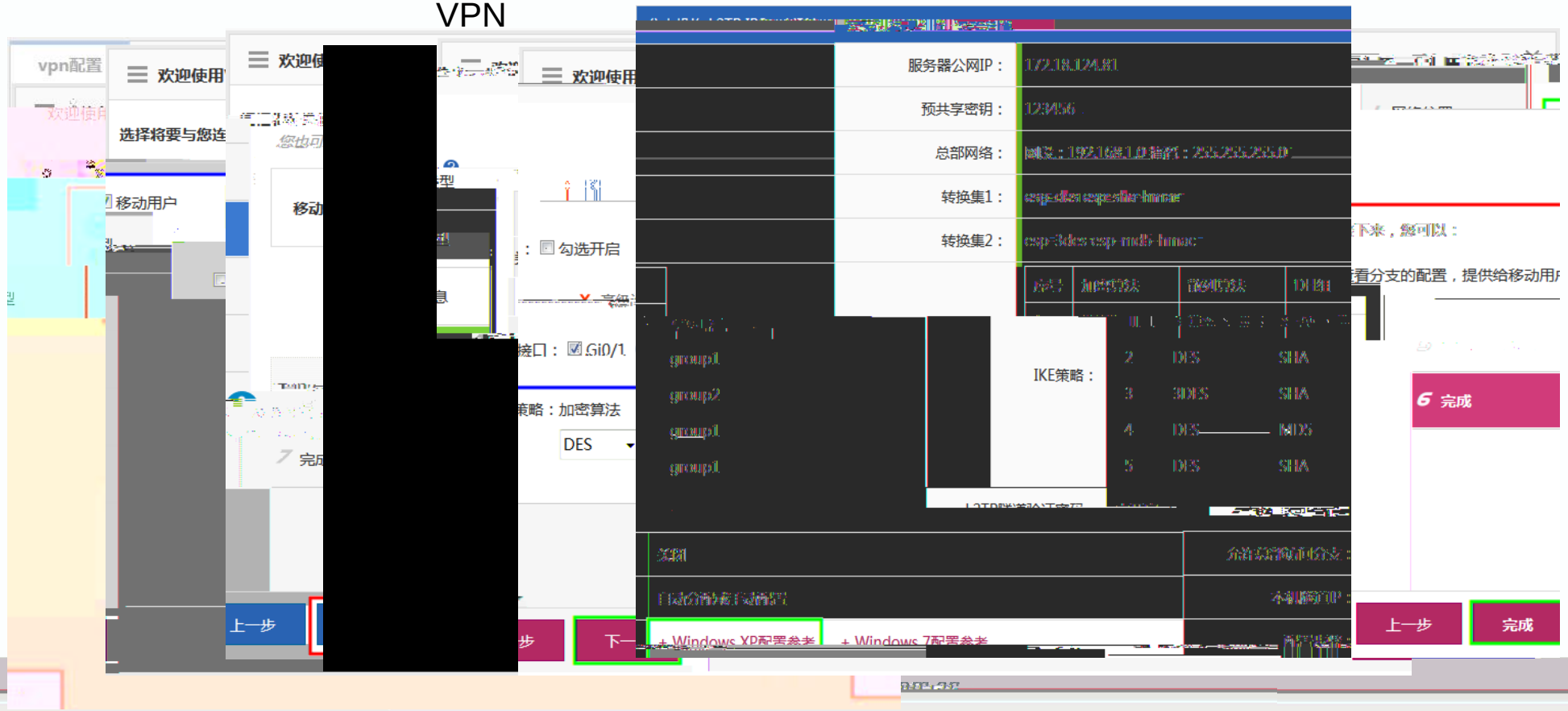


routeA **L2tp OVER IPSEC**

VPN “ ”

“ ”

VPN



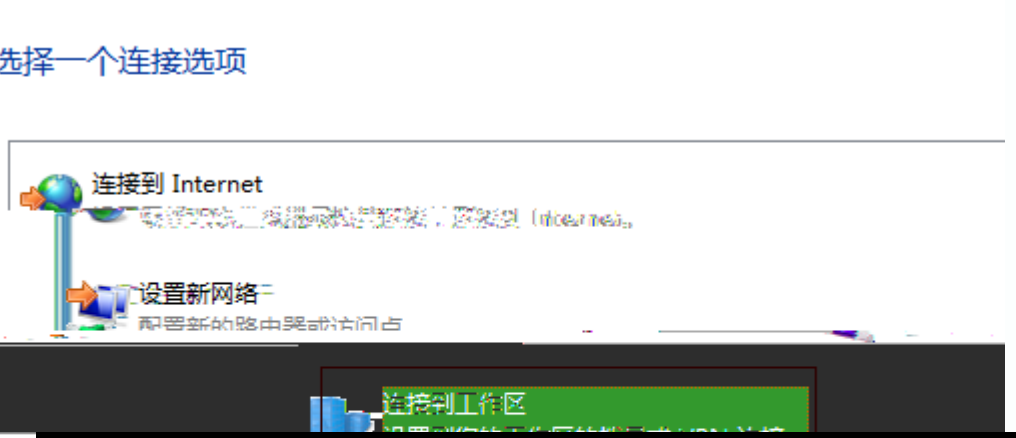
L2TP OVER IPSEC -- PC VPN

router A

IPSEC

L2tp over ipse

L2tp OVER I



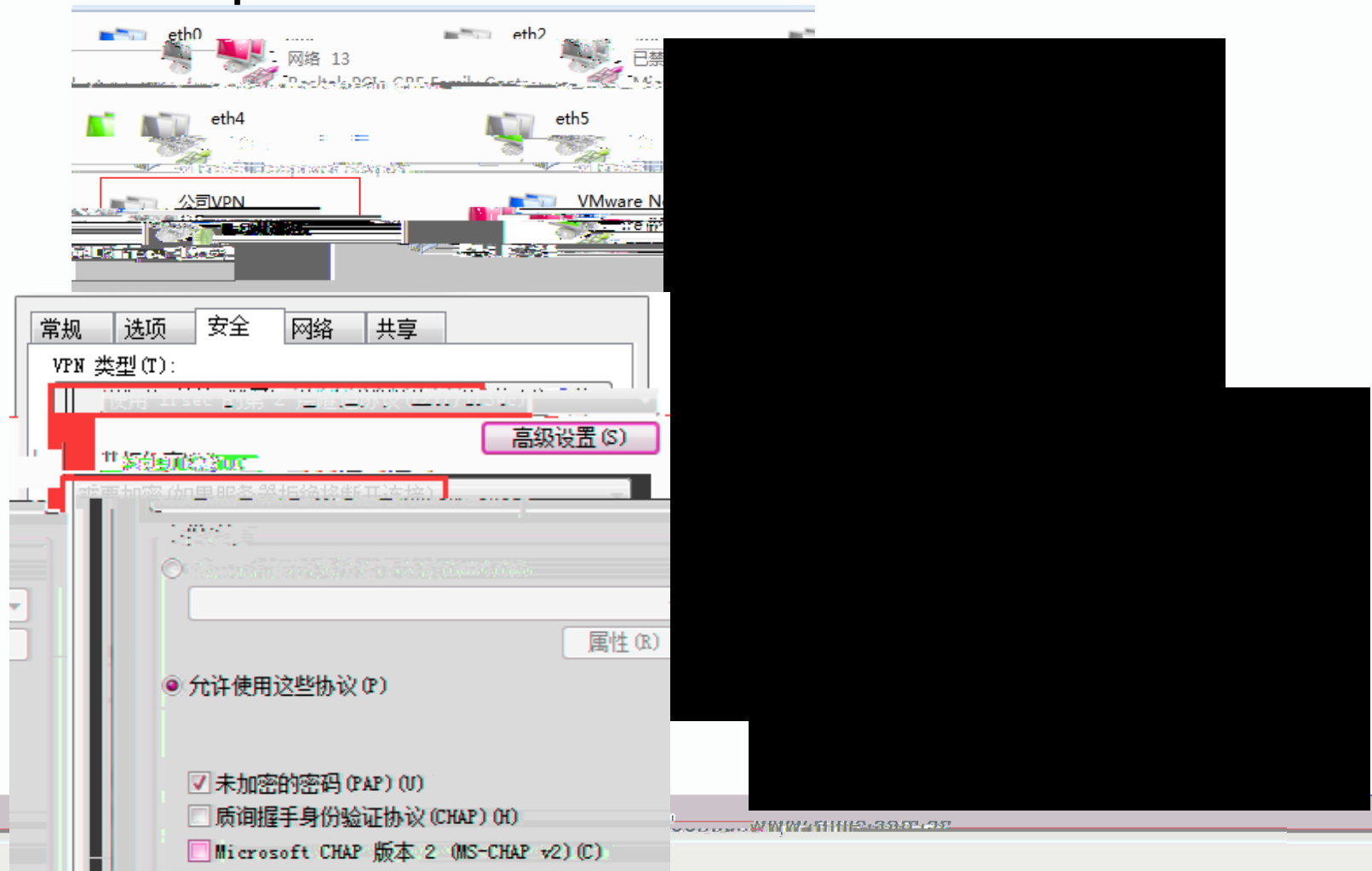
L2TP OVER IPSEC -- PC VPN

router A

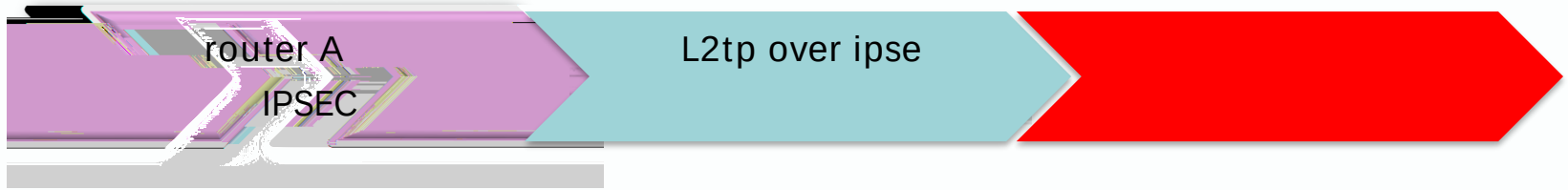
L2tp over IPSEC

L2tp over ipse

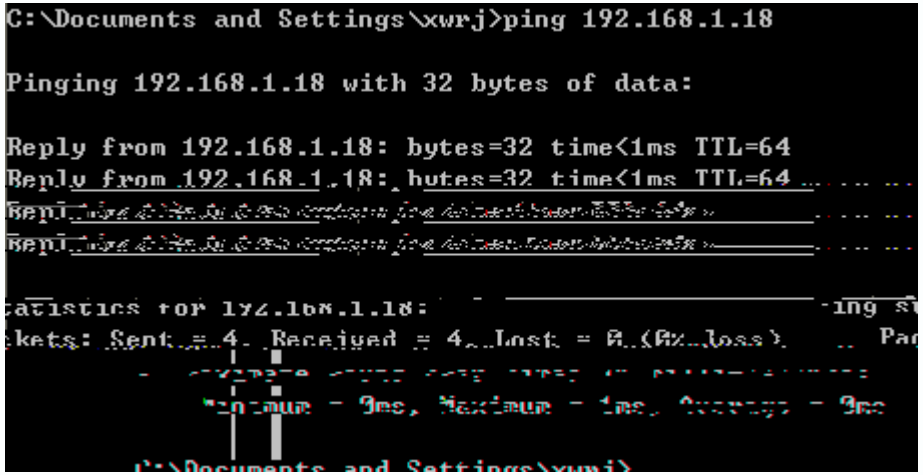
L2tp OVER IPSEC



L2TP OVER IPSEC -- PC VPN



1 L2tp over ipsec
2 PC ping 192.168.1.18
3 PC PC IP



PC ping 192.168.1.18

Contents

- 4008-111-000