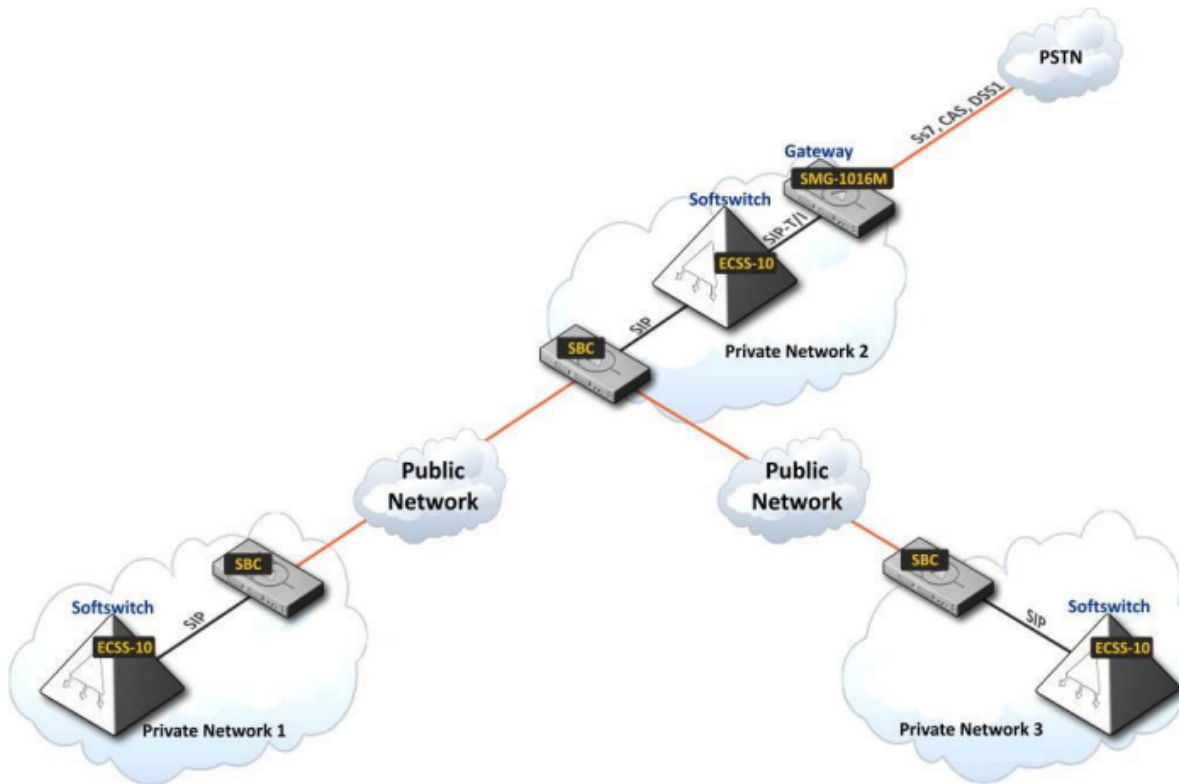


SBC1000/SBC2000/SBC3000

1. SBC - SMG.
SBC SMG , SBC.
SBC SIP , 1 (SS7, PRI), H.323, SIGTRAN ..
2. . SBC 2: (private network) (public network).
:

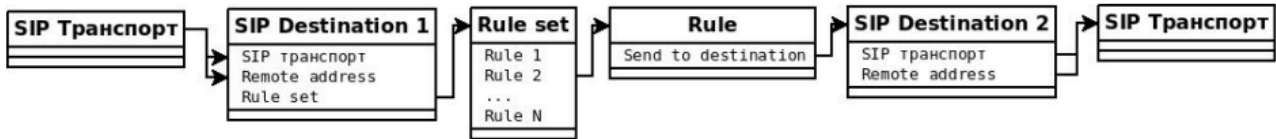


, SBC VLAN , private public
SBC. , .

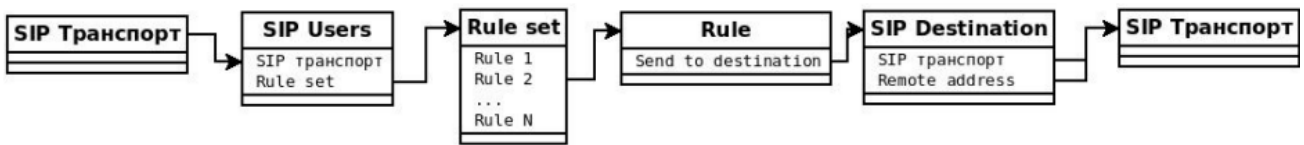
3. TCP/IP-> TCP/IP-> .
. . (VLAN) SBC, IP I.
IP SBC private public . (SBC-VNI 40, c SBC-VNI - 500),
SIP , (WEB/TELNET/SSH/SNMP).
, -, WEB/TELNET/SSH/SNMP .

4. .1. .2 SBC SIP SBC->SIP .
SIP SIP SBC. .3 IP ,
SIP SIP .
IP SIP, SIP , .

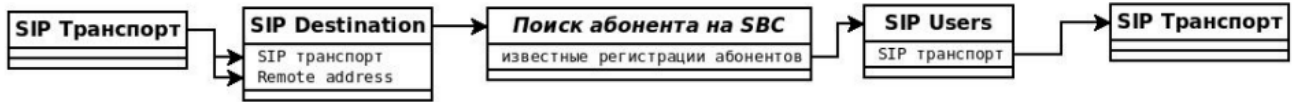
, SIP SBC. 3:
SIP destination <-> SIP destination



SIP users -> SIP destination



SIP destination -> SIP users



5. SIP SBC, :
- SIP destination - SIP SIP , SBC->SIP Destination.
- SIP users -, SIP , IP ,
- SBC->SIP Users.
- SBC Trunk - SIP destination, active-active, active-backup.

SIP destination, SIP users SBC Trunk:

- 5.1. SIP destination SIP , "Remote address" "Rule set", .6.
- SIP destination .
- 5.2. SIP users SIP , "Rule set", .6.
- SIP users "SIP " " NAT".
- SIP users .
- 5.3 SBC Trunk SIP destination active-active/active-backup.

6. SBC->Rule set.

Rule set , SIP destination->SIP destination SIP users->SIP destination.

Rule set , Reject. SIP destination SBC Trunk.

Rule set, SIP destination SIP users, .

Rule set Rule. Rule Rule set, .

SIP , .

SIP . SIP ().

3 :

-reject -

-send to destination - SIP SIP destination.

-send to trunk - SIP SIP trunk.

7. , SIP , .

.. SBC public .

3 :

--> .

iptables, iptables , .3.

/ IP .

IP , , UDP/TCP/ICMP.

IP /, .

IP /, . . .

GeolIP / .

--> .

sshguard, / IP .

, iptables, , sshguard (block list).

, , (black list).

, . , ,

(white list).

--> DoS-

sip-worker, , SIP RTP .

DoS-, SIP , RTP , ICMP .

Port Scan SIP " " ,

SIP User-Agent.

, DoS- , .. , SBC.

-> SBC.

SIP , SBC .

SBC , .

INVITE , SUBSCRIBE , REGISTER, NOTIFY, OPTIONS .

, NOTIFY SUBSCRIBE INVITE.