

Elastix/Asterisk ????

PBX > Tools > File Editor > File: sip_nat.conf?????????

externip=aaa.aaa.aaa.aaa
localnet=bbb.bbb.bbb.bbb/255.255.255.0

externip - ?????????? IP
localnet - ???????LAN????????????????????? vLan ??????????

aaa.aaa.aaa.aaa ??? IP ??
bbb.bbb.bbb.bbb ?????????????? 192.168.1.0?

???????? IP????? DDNS ??????? externip ?? externhost????????? FQDN ???

externhost=mypbx.mydomain.com

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Asterisk -rx "sip show settings"

Network Settings:

SIP address remapping: Enabled using externip
Externhost: <none>
Externip: 123.123.123.123:5060
Externrefresh: 10
Internal IP: 127.0.0.1:5060
Localnet: 192.168.9.0/255.255.255.0
STUN server: 0.0.0.0

?????? Asterisk 1.8+ ??? externip ?? **externaddr**

- ??? Issue ??: <https://issues.asterisk.org/view.php?id=17665#c124720>
- ????? externaddr ?? one-way audio ?????? media_address=<myip>?????????

Router/Firewall ?????

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1. DMZ
? Elastix ??? DMZ???? SIP?RTP?IAX2 ?????????????? Elastix ???
[SIP - 5060 UDP?](#)
[RTP - 10000~20000 UDP???? /etc/asterisk/rtp.conf?](#)

IAX2 - 4569 TCP/UDP?

- 2. Port Forwarding
?? SIP?RTP?IAX2 ?????(?????)????? Elastix ??????????????

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- 1. ?????????? Elastix ??????
Ans??? ??? SIP Trunk ??? nat=yes?
- 2. ??????????????????????????????
Ans????????? RTP ??????????????????
? ?????????????????????????? RTP ????
? ?????????????? RTP ????
- 3. ??????????????????????????????????
Ans????????????????????????????????? Port forwarding for RTP????????????????? SIP ??????????????????
??
- 4. ??? RTP port ??????
Ans????????????? 2 port??? A ??? B ??? 4 port????????????????????????? 4 port?????????????
- 5. ??? Router ????? Asterisk ??????????????
Ans??? Router ??? SIP ALG(?????????)?????????????<http://www.sysfix.co.uk/blog/2011/01...-sip-asterisk/>
- 6. ?????????? NAT ??????????????????????????????????
Ans????????????????????? NAT ??????????????????????????????????
????????????????????????????????????? keeplive?? register expire ?????????? keeplive?? register expire?????????

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????? 5060 port ??????????
????????? Linux ?????????????????????????? port 5060?
//????????????? ping ??????
#>nmap -sU -p 5060 <???? IP ?>

//????????????? ping ??????
#>nmap -P0 -p 5060 <???? IP ?>

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Starting Nmap 4.68 (<http://nmap.org>) at 2009-01-23 18:51 PST

Interesting ports on 192.168.1.254:

PORT	STATE	SERVICE
5060/udp	open filtered	sip

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