????

- [Configuring Asterisk with TLS enabled](#)
- [fail2ban for Asterisk](#)
- [iptables for asterisk](#)
- [psad - ??????????](#)

Asterisk ????

?????? Asterisk ?????????????????

1. ?????? IP ????? SIP ????
   ? sip.conf ? "permit=" ???? 0.0.0.0?

2. ? sip.conf ?? "alwaysauthreject=yes", "allowguest=no"
   ?????????????????
   # asterisk -rx "sip show settings" | grep -i "always auth rejects"
   # asterisk -rx "sip show settings" | grep -i "allow unknown access"

3. ?? SIP ?????
   ????????????? 1234?abcd?????????????????????????????????

4. ???? AMI manager port
   ? manager.conf ?? "permit=" ? "deny=" ????????????????????? 12 ???
   ????????????**??????????**?

5. ???? SIP ?????????????????
   ????????????????? sip.conf ?? call-limit=1 ???

6. ??????????????
   ????????? ID????????????????????????????? ID ?????????
   ????? MD5 ???

7. ???? context ????
   ???? /etc/asterisk/extensions.conf????????????????????? [default] ?
   dialplan?
   ? FreePBX ??? [from-sip-external]????????
   exten => _.,1,NoOp(Received incoming SIP connection from
   unknown peer to ${EXTEN})
   exten => _.,n,Set(DID=${IF($["${EXTEN:1:2}"=""]?s:${EXTEN})})
   exten => _.,n,Hangup
   exten => h,1,Hangup
   exten => i,1,Hangup
   exten => t,1,Hangup

   ?????????? context
   #asterisk -rx "sip show settings" | grep -i context

8. ???? type=peer ????
???????? provider ???????????(?????????IP)?????????? peer ??????? Asterisk ??????????
FreePBX ??????
- ???? Extension ? Trunk????? type=peer ? host=?? IP????? host=dynamic?
- ???? allowguest=no ? sip_general_custom.conf????????
#asterisk -rx "sip show settings" | grep -i "Allow unknown access"
-> ????? No

9. ?????????
????????? freePBX ??? UI ??????? Trixbox/PIAF/Elastix/AsteriskNow?

10. ?? FOP ??
???
?? /etc/amportal.conf??? FOPRUN=false

11. ?? FreePBX ? Allow Anonymous Inbound SIP Calls
?? FreePBX > Global Settings > Allow Anonymous Inbound SIP Calls???????? no?

12. ?? Asterisk ????? - useragent
???? Asterisk ?????????? Asterisk +?????????? Trixbox/PIAF/Elastix ???????????????????????????
???????????????????
?? /etc/asterisk/sip_general_custom.conf
useragent=MyPBX

13. ?? SIP ????????
?? /etc/asterisk/modules.conf?????????(?? SIP ?????????)
; Don't load skinny (tcp port 2000)
noload => chan_skinny.so
; Don't load MGCP (udp port 2727)
noload => chan_mgcp.so
; Don't load dundi (udp port 4520)
noload => pbx_dundi.so
; Don't load unistim (udp port 5000)
noload => chan_unistim.so
; Don't load ooh323 (tcp port 1720)
noload => chan_ooh323.so
; Don't load IAX2 (udp port 4569)
noload => chan_iax2.so
; Don't load LDAP
noload => res_config_ldap.so

FreePBX ????

- WAF - mod security(Reverse Proxy)??? Apache ???? mod_security ??? FreePBX ?????
- Apache ???? SSL ????? SSL ????????????

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- [2011-6-3] ? Fail2Ban ????????????????????????? Asterisk ?????????????Asterisk ???????? IP????????

fail2ban ??????????????? DDos ????? Asterisk ???(??????????? ???dialplan ???)

- ? [?????](#)
- ? [?????](#)
- ? [?????](#)

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- [[Digium] Seven Steps to Better SIP Security with Asterisk](#)
- [Automatically Block Failed SIP Peer Registrations](#)
  ? perl ??? script??????????? Asterisk Logs ?????????? IP ???? iptables ???
- [Fail2Ban](#) - ? Python ????????????????????????? iptables ????????
  - [Fail2Ban (with iptables) And Asterisk](#)
  - [fail2ban::Asterisk](#)
  - [Install Fail2Ban on Elastix 1.6](#)
- [Securing Your trixbox Server](#)
- [OSSEC](#) - ????? ??????????????????????????????????rootkit ???
  - [OSSEC Module for FreePBX](#)
  - [OSSLab] [OSSEC & FreePBX](#)
- [CSF(ConfigServer Security & Firewall)](#) - ??????/?? Linux ??????????? Linux ? Hosting ??????????????
  ? cPanel, DirectAdmin, Webmin?
- Asterisk ? TLS ?? SIP
  - [SIPS on Asterisk – SIP security with TLS](#)
  - [Digium] [Secure Calling Tutorial](#)
  - [Digium] [Asterisk SIP/TLS Transport](#)

- Asterisk ? SRTP ?? RTP
  - [Asterisk sRTP installation and configuration](#)
  - [HOW TO Add Secure RTP to Asterisk 1.8](#)
  - [Asterisk sRTP with 1.8](#)
  - [Asterisk-SRTP????](#)
- ????????-sipvicios
  - ???http://code.google.com/p/sipvicious/
  - [Hacking and securing your Asterisk server](#)
- IPTables
  - ? [Securing Your Asterisk VoIP Server with IPTables](#)
- [FreePBX ????](#)
- [A2Billing ????](#)

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- [OSSLab] [Asterisk ?????](#)
- [NerdVittles] [Avoiding the $100,000 Phone Bill: A Primer on Asterisk Security](#)
- [Asterisk FreePBX Security: FreePBX Backdoor Passwords Pose Asterisk Security Threat; Here is more robust solution to eliminate this possibility](#)
- [Securing Asterisk](#)