?????A2Billing ???? Asterisk Realtime Mode ? Asterisk ?????????????????????????????

????? Realtime Mode?

- ?? SIP/IAX ?????? 15000+?????? Realtime mode??? VoIP ? UI ??????????
- ??? A2B ? Asterisk ????????????? Realtime Mode?

?????A2Billing 1.7.x, 1.9.x???Asterisk ??? 1.6.2+????? Asterisk ??? Realtime ???? A2B DB ??????

????
// ?? asterisk ??????????**res_config_mysql.so, res_realtime.so**?

```
$ asterisk -rx "module show like res"
Module                  Description                 Use Count
...
res_config_mysql.so        MySQL RealTime Configuration Driver     0
res_realtime.so            Realtime Data Lookup/Rewrite          0
```

// ?? /etc/asterisk/res_mysql.conf

For 1.8.x, ??? res_config_mysql.conf

// ?????

```
[general]
dbhost = 127.0.0.1
dbname = mya2billing
dbuser = a2billinguser
dbpass = a2billing
dbport = 3306
;dbsock = /var/lib/mysql/mysql.sock ; for CentOS/RedHat
dbsock = /var/run/mysqld/mysqld.sock ; for Ubuntu/Debian
; NOTE! If running Asterisk 1.6 or later add the following line
requirements = warn
```

TIPS:

dbname,dbuser,dbpass ???? /etc/asterisk/a2billing.conf

?? [general] ?????DB???????????? [mya2b]

// ?? /etc/asterisk/extconfig.conf

[settings]

;This is used for A2B realtime mode
sipusers => mysql,mya2b,cc_sip_buddies
sippeers => mysql,mya2b,cc_sip_buddies
iaxusers => mysql,mya2b,cc_iax_buddies
iaxpeers => mysql,mya2b,cc_iax_buddies

Tips:

For Asterisk 1.6.2/1.8?mya2b ??? res_mysql.conf ???????? general, mya2b?

~~For Asterisk 1.4.x/1.6.0?mya2b ?????????????? mya2billing???? Asterisk 1.4/1.6.0~~

????

#asterisk -rx "realtime mysql status"
Connected to mya2billing@123.123.123.123, port 3306 with username a2billinguser for 34 seconds.

asterisk -rx "core show config mappings"

...
Config Engine: mysql
===> iaxpeers (db=mya2billing, table=cc_iax_buddies)
===> iaxusers (db=mya2billing, table=cc_iax_buddies)
===> sippeers (db=mya2billing, table=cc_sip_buddies)
===> sipusers (db=mya2billing, table=cc_sip_buddies)

??db ????????? DB name???? extconfig.conf ???????? general ???????

// ?? A2B
A2B Admin > SYSTEM SETTINGS > Global List > Select Group: global

use_realtime = yes

????

- ?? SIP/IAX ?????? 15000+?????? Realtime mode??? VoIP ? UI ??????????
- ????? Realtime mode ??? A2B ??? SIP ?????? sip show users, sip show peers ??????????????????????? ???CLI ?????????????????????
- ?? Realtime mode ???? Asterisk 1.4, 1.6+ ???????
- ???? SIP ????????????? A2B ?????? FreePBX?
- ?? **rtcachefriends=yes** ? sip.conf??????? sip show [users|peers] ?????????????????????

????

- [asterisk realtime ???SIP??2?](#)
- [Using Realtime](#)
- [voip-info] [Asterisk RealTime Static](#)
- [voip-info] [Asterisk RealTime Sip](#)
- [phpMyAdmin Module for FreePBX](#)