



Multi-Skype ??????

?????[http://www.mhspot.com/sts/siptosis\\_download.php](http://www.mhspot.com/sts/siptosis_download.php)

????????????? Inbound Calls????????????????? stsProxy ???

????

```
mkdir /opt/siptosis/ststrunkbuilder
cd /usr/src/install_sip2sis
unzip stsTrunkBuilderLinux_20110808.zip -d /opt/siptosis/ststrunkbuilder
chown -R stsuser:stsuser /opt/siptosis/ststrunkbuilder
cd /opt/siptosis/ststrunkbuilder
chmod a+x trunkConfig_linux
```

?? SipToSis Trunk ???

?????????

```
su - stsuser
cd /opt/siptosis/ststrunkbuilder
./trunkConfig_linux
```

?? stsTrunkDef.cfg

skypeUserList=<skype ID>

osUserBase=stsuser

stsBaseConfigFile=/opt/siptosis/siptosis.cfg

?? stsControlBase

runuser=stsuser

scriptpath=`dirname "\${fullpath}"`

chanPrefix="stsTrunk\_"

displayMethod=XVFB

??Skype Trunk ???????????

./trunkConfig\_linux

?? SipToSis ?????? /opt/sip2sis

- stsTrunk\_01.cfg

- ??? skype ?????
- stsTrunk\_01\_log.properties  
??? skype ? log ???
- stsTrunk\_Control  
SipToSis (multi Skype) ???
- stsTrunkPbxSipMod.conf  
Asterisk Trunk ????
- stsTrunkPbxExtMod.conf  
Asterisk Outbound Route ????
- XauthXvfb

??????

chmod a+x /opt/siptosis/stsTrunk\_Control

??? Skype ?????

??? Skype ??????? ?????????????? VNC ????????

?? vncserver

su - stsuser

vncserver

?????????? VNC Viewer ??? xterm ??????

cd /opt/sip2sis  
./stsTrunk\_Control config 01

TIPs:

01 ?? Trunk ?????????? skype

????? Skype ????? VNC ????????????

- Skype ??????? Sign me in when skype starts
- ?? API ??????? Yes ?? ????
- Advanced
  - ? Enable Skype WiFi: ??
  - ? Check for update on startup: ??

????? Skype ?????? SipToSis?????????????????

2013-03-30 16:58:26,214 DTMF rfc2833(101)

2013-03-30 16:58:26,214 initSkype - If stuck, check Skype online & API auth

2013-03-30 16:58:26,380 Skype Status: NOT\_AVAILABLE - retrying every 5 seconds  
 2013-03-30 16:58:26,501 STUN: Error - Unknown Host: stun.xten.net  
 2013-03-30 16:58:26,956 PublicIP=211.72.203.62  
 2013-03-30 16:58:31,794 SkypeVer:172  
 2013-03-30 16:58:31,869 Attached SkypeUserId:skype.share  
 2013-03-30 16:58:31,875 Config - skypeClientSupportsMultiCalls:false concurrentCallLimit:1  
 2013-03-30 16:58:31,875 SipToSis contact\_url=sip:stsTrunk\_01@192.168.7.62:5072  
 2013-03-30 16:58:31,875 via\_addr=192.168.7.62 realm=  
 2013-03-30 16:58:31,875 RTP Ports: 63204-63204 Local Skype Ports: 64436-64437  
 2013-03-30 16:58:31,875 jitterLevel=-1  
 2013-03-30 16:58:31,913 Registrar Server Domains=  
 2013-03-30 16:58:31,914 MaxCallTime: not limited MaxPSTNCallTime: not limited  
 2013-03-30 16:58:31,915 MaxDailyPSTNUniqueNumberCount: 48 MaxDailyPSTNMinutes: 350  
 2013-03-30 16:58:31,927 Loading Skype PSTN Call History  
 2013-03-30 16:58:31,945 0 possible calls to import.  
 2013-03-30 16:58:31,956 PSTN counters reset at: 08:00:00 CST  
 2013-03-30 16:58:31,959 Qualified PSTN calls today: 0 Time: 0 minutes  
 2013-03-30 16:58:31,960 WAITING FOR INCOMING CALL  
 2013-03-30 16:58:32,096 AcctBalance: 1.00 FREECALL

?????? /opt/siptosis ?????????? skype\_stsTrunk\_01/ ???????? Skype ???

????????????? skype ? SipToSis?

???SipToSis ??? kill ????

**FreePBX ???**

**Trunk ??**

?? stsTrunkPbxSipMod.conf ?????? PEER Details

**Outbound Call**

?? SkypeOutDialingRules.props

^55\$:echo123

FreePBX > Outbound Routes > Add Route

- Route Name: Skype\_Out
- Dial Patterns: 009|.
- Trunk Sequence: ststrunk01

**Inbound Call**

?? multi-skype ?????????????????? stsProxy ???

??????/?? **SipToSis**

?? stsTrunk\_Control??? Xvfb

```
...
#Xvfb ${DISPLAY} -render -auth XauthXvfb 1> log/xvfb_${channum}.log 2>&1 &
Xvfb ${DISPLAY} 1> log/xvfb_${channum}.log 2>&1 &    <=== ??????????
...
```

```
chown -R stsuser:stsuser /opt/siptosis
su -l stsuser -c "/opt/siptosis/stsTrunk_Control start 01"
```

??????????

```
root@pbx:/opt/siptosis $ ps -ef | grep stsuser
stsuser 2370 1 0 18:03 ? 00:00:00 /bin/bash ./stsTrunk_Control startchannel 01
stsuser 2393 2370 0 18:03 ? 00:00:00 Xvfb :101
stsuser 2398 2370 6 18:03 ? 00:00:05 skype --dbpath=/opt/siptosis/skype_stsTrunk_01/
stsuser 2421 1 0 18:03 ? 00:00:00 dbus-launch --autolaunch d47a0b8cdfefe23c69c13eba00000008
--binary-syntax --close-stderr
stsuser 2422 1 0 18:03 ? 00:00:00 /bin/dbus-daemon --fork --print-pid 5 --print-address 7 --session
stsuser 2447 1 0 18:03 ? 00:00:00 /usr/bin/pulseaudio --start --log-target=syslog
stsuser 2527 2370 0 18:03 ? 00:00:00 /bin/bash ./SipToSis_linux stsTrunk_01.cfg
stsuser 2530 2527 0 18:03 ? 00:00:00 java -Xms6m -Xmx6m -Djava.net.preferIPv4Stack=true
-XX:PermSize=8m -Djava.library.path=. -classpath
sip.jar:ua.jar:skype.jar:mailapi.jar:smtp.jar:activation.jar:log4j-1.2.15.jar:siptosis.jar:. local.ua.SkypeUA
stsTrunk_01.cfg
```

?? SipToSis

```
su -l stsuser -c "/opt/siptosis/stsTrunk_Control stop 01"
```

????? Skype ??

????? Skype ????????????

1. ?? /opt/siptosis/ststrunkbuilder/stsTrunkDef.cfg  
skypeUserList=skypeuser1,skypeuser2 <=== ????
2. ?? trunkConfig\_linux  
?????? Skype Trunk ???????????? \_01, \_02,....
3. ?? VNC ?????????? Skype ??? Skype ??????  
????????????????? skype\_stsTrunk\_01, skype\_stsTrunk\_02,...
4. ??? stsTrunk\_Control  
????????? trunkConfig\_linux?????????????
5. ??? Skype ?????? FreePBX Trunk ? Dialplan ????
6. ???/????? Skype Trunk

Q&A

?? stsTrunk\_Control stop ?????? Xvfb ? Skype ??

Ans: ?? stsTrunk\_Control ?????? Xvfb ??????????? trunkConfig\_linux??????????