

SFA ?? 2011-07-26 ?????????????????2013??

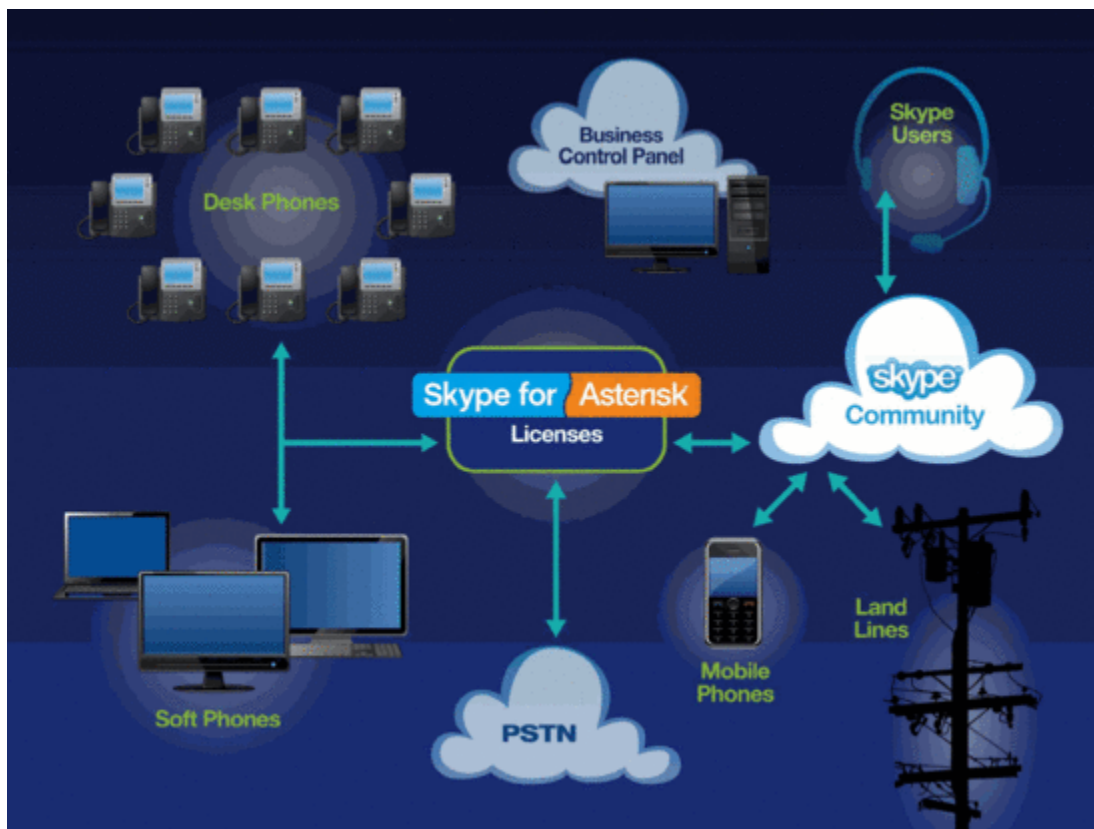
??

??? Asterisk ? Skype ?????????????????????? Skype API ??????????????????????????????????????????

SFA ????

- ??? Asterisk ??????????????????
- ???? Skype ?????
- ????????????????????????????? API ????????????????????? Skype ????????????????? Skype ?????????????  
????????????????(??????22?)
- Codec ????.????????????Audio Bus ????.?????.
- ? Asterisk ????? DTMF ????????? IVR????
- ?? Skype Online Number ?? Asterisk???????? DTMF?
- ????? Skype ????? Inbound Route ????????? concurrent channels ?????????????????????

????



**Figure: Skype for Asterisk Application Scenario**

?????

- ```
1. Asterisk ?????
   ? Asterisk 1.4 versions  >= 1.4.25
   ? Asterisk 1.6.0 versions >= 1.6.0.6
   ? Asterisk 1.6.1 versions >= 1.6.1.5
   ? Asterisk 1.6.2
   ? Asterisk 1.8
```

2. Skype ????? Skype Business Account(SBA)????? Skype Manager ??????(??????12?)  
SBA ?? <http://www.skype.com/intl/en/business/skype-manager>

SBA ??????????????Skype ?????????????????SBA.  
???????????????????? Skype ??? Skype Out ??????

3. ??????????? <http://store.digium.com/productview.... code=1SFA0001>  
? ????????????????????????????????? email ?????????? Key ???  
? ?????????????? Invoice ?????????????????????

???

// ????????

// 64-bit: <http://downloads.digium.com/pub/regi...86-64/register>

Notes?

- ?? register ?????????????????????? 443 (SSL) port?
- ?????????? Asterisk ??? Digium ? License Server?

cd /usr/src

wget <http://downloads.digium.com/pub/register/x86-32/register> (32-bit)

chmod 0500 register

./register

Please select a category

1 - Digium Products

2 - Cepstral Products

0 - Quit

Your Choice: 1 <===

You selected 1, Digium Products

Please select a product

1 - Asterisk Business Edition

2 - Asterisk Business Edition C Expansion

3 - Asterisk For Smart Cube

4 - Asterisk For Smart Cube Expansion

5 - G.729 Codec

6 - High Performance Echo Can

7 - Skype For Asterisk

8 - Fax for Asterisk

9 - Free Fax for Asterisk

10 - Vestec Speech Engine

0 - Quit

Your Choice: 7 <===

Please enter your Key-ID: ?? email ?? Key ??

Do you want to register this key now(y/n) y <==

Do you accept this licensing agreement (y/n)? y <==

First Name: ??????

Last Name:

.....

// ?? SFA ??

// ? Asterisk 1.4.x ??

cd /usr/src

wget http://downloads.digium.com/pub/telephony/skypeforasterisk/asterisk-1.4/x86-32/  
skypeforasterisk-1.4\_1.0.9.2-x86\_32.tar.gz

tar -xvzf skypeforasterisk-1.4\_1.0.9.2-x86\_32.tar.gz

cd skypeforasterisk-1.4\_1.0.9.2-x86\_32

make

make install

make samples

// ? Asterisk 1.6.2.x?? (Elastix 2.0)

// 64-bit: <http://downloads.digium.com/pub/telephony/skypeforasterisk/asterisk-1.6.2.0/x86-64.tar.gz>

cd /usr/src

wget http://downloads.digium.com/pub/telephony/skypeforasterisk/asterisk-1.6.2.0/x86-32/  
skypeforasterisk-1.6.2.0\_1.1.2-x86\_32.tar.gz (32-bit)

tar xzf skypeforasterisk-1.6.2.0\_1.1.2-x86\_32.tar.gz

cd skypeforasterisk-1.6.2.0\_1.1.2-x86\_32

make

make install

make samples

**?? Skype ??**

// ?? /etc/asterisk/chan\_skype.conf

; ? Skype ?????????????????????? Skype ???????????? SBP ???????

default\_user=skype-account

; \*\*\*\*\*

; USER SECTIONS

; \*\*\*\*\*

[skype-account]  
secret=passofskype  
context=from-pstn  
exten=skype-account

[skype-account-2]  
secret=passofskype  
context=from-pstn  
exten-skype-account-2

??[...] ?? Skype ???secret ?? Skype ???exten ?? Skype ??

**?? Elastix**

// **?? Inbound Route (Skype -> SIP)**

Elastix -> PBX -> PBX Configuration -> Inbound Routes

Description: <???

DID Number: skype-account ;;??????? exten ?????? Skype ??

CID name prefix: Skype:

Set Destination: <??? IVR, extension, ?????>

// **?? Outbound Route (SIP -> Skype)**

Elastix -> PBX -> PBX Configuration -> Extensions

Add Extension

Device: Other(Custom) Device

User Extension: <????> ;; ????? Skype ???????????????????

Display Name: <????>

dial: Skype/<???SkypeID> ? Skype/<Asterisk ? SkypeID>@<???SkypeID>

?: ????? <Asterisk ? SkypeID>????? chan\_skype.conf ? default\_user?

// **?? SkypeOut (SIP -> SkypeOut)**

Elastix -> Trunks

Add Custom Trunk

Custom Dial String: Skype/+\$OUTNUM\$

???? chan\_skype.conf ?????? default\_user ? skype ?????????????? default\_user ???????

Skype/my\_second\_skype/+\$OUTNUM\$

**FAQ**

**Q??? CLI> skype show users????? Logged Out?**

A?Asterisk ???? Skype ?????? **Skype Business Panel(SBP)** ?????????????????? SBP ??????(??????12?)

**Q?SFA ????? VPS ???????**

A????????????????????????????????????????? ethernet interface(?????)?????? MAC address???????  
register ??

**Q?SFA ????? embedded asterisk ????? ATCOM IP04(uClinux OS)?**

A???? digium ??????????

## Q????? license ?

A: asterisk -rx "skype show licenses"

**Q???????????? SFA?**

A?? SFA license ????????????????????????????????? register??? Key ?????????????????????? Digium?

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- [Digium::Skype for Asterisk Documentation](#)
- [Digium Forum::Skype For Asterisk](#)
- [Skype for Elastix \(Asterisk\)](#)
- [VOIP Today::How to connect Asterisk with the Skype network in 4 Steps](#)

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- [?????? skype ID](#)
- [?????](#)  
<http://www.skype.com/intl/zh-Hant/bu...s/pbx-systems/>
- GUI ??  
<http://asteriskpbx.ru/wiki/skype-for-asterisk-en>
- [Configuring an Asterisk PBX with Skype for SIP](#)