

## Cepstral TTS engine

?????<http://cepstral.com/>??????

### Getting Start

????????????????????

1. Linux ? i386, x86\_64??????????
2. ?????????? Allison, Allison-8kHz, David, etc...

// ?????

????? i386, x86\_64 ??????????????????

cd /usr/src

wget http://downloads.cepstral.com/cepstral/i386-linux/Cepstral\_Allison-8kHz\_i386-linux\_5.1.0.tar.gz

// ?????

tar -xzf Cepstral\_Allison-8kHz\_i386-linux\_5.1.0.tar.gz

cd Cepstral\_Allison-8kHz\_i386-linux\_5.1.0

./install.sh

echo "/opt/swift/lib" > /etc/ld.so.conf.d/cepstral.conf

ldconfig

// ?? asterisk ??? app\_swift

???app\_swift v3.0.1 ??? asterisk 1.4/1.6/1.8 ??? <http://permalink.gmane.org/gmane.com...sk.user/269691>

?????git://github.com/dmsessions/app\_swift.git (?? git ??)

### ?? Asterisk 1.4.x

cd /usr/src

wget http://pbxinaflash.net/source/app\_swift/app\_swift-1.4.2.tar.gz

tar -xzf app\_swift-1.4.2.tar.gz

cd app\_swift-1.4.2

make

make install

### ?? Asterisk 1.6.x

cd /usr/src

mkdir app\_swift

```

cd app_swift
wget http://jeremy.kister.net/code/app_swift-1.6.2.tar.gz
wget http://jeremy.kister.net/code/app_swift-1.6.2.patch
tar xzf app_swift-1.6.2.tar.gz
cd app_swift-1.6.2/
patch app_swift.c < ../app_swift-1.6.2.patch
make
make install

```

```

?? Asterisk 1.8.x
??????? http://nerdvittles.dreamhosters.com/...urce/cepstral/

```

```

?? Asterisk 10
http://pbxinaflash.net/source/app\_sw...ral-10.0-32bit

```

```
// ?? swift
```

```

chown asterisk:asterisk /etc/asterisk/swift.conf
vi /etc/asterisk/swift.conf

```

```
???????
```

```
voice=Allison-8kHz
```

```
NOTES:
```

```
voice ??????????????????????
```

```
// ?? Asterisk
```

```

asterisk -rx "stop now"
amportal stop
amportal start

```

```
????
```

```

// ?? asterisk ???
asterisk -rx "core show application swift"

```

```
// ?? dialplan ???
```

```

; added by alang, just for flite test
; Try the Cepstral TTS
[my-cepstral]
exten => 9970,1,NoOp("----- Test Cepstral -----")
exten => 9970,n,Answer
exten => 9970,n,Swift('Congratulation! You have installed Cepstral.')
exten => 9970,n,Swift('Speaking the number, you have ')

```

exten => 9970,n,Swift('12500')
exten => 9970,n,Swift('dollars')
exten => 9970,n,Swift('Speaking the time, 12:50pm.')
exten => 9970,n,Swift('Speaking the digit, 12500. ')
exten => 9970,n,Hangup

???? CLI> dialplan reload

TIPS:

???????????????? numbers????? digits?

????????????????????

Asterisk is software that turns an ordinary computer into a communications server.

???? - optional

??

// ????????? (???)

# swift -V

Cepstral Swift v5.1.0, July 2008

Default Voice: Allison-8kHz v5.1.0
Language: US English v5.1.0
Lexicon: unknown v0.0.0

Concurrency: License Server Unreachable
Running in Single Token Mode

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Notes:

- 1. ??????????????????license and concurrency license????????? concurrency license ?????? 1 ?
concurrent channel?
2. ?? license????? Name, Company, Voice, License Key?????????????????
3. Voice ?? Allison-8Khz?

# swift --reg-voice

// ?? concurrency license???? Name, Company, Concurrency ports, License key

# swift --reg-ports

// ?????? (???)

# swift -V

Cepstral Swift v5.1.0, July 2008

Default Voice: Allison-8kHz v5.1.0

Language: US English v5.1.0

Lexicon: unknown v0.0.0

Concurrency: 2 Port(s) Registered  
0 Port(s) In Use

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**PHPAGI ??**

?? PHPAGI ???????? swift class ??? Cepstral TTS engine????????????

?? /etc/asterisk/phpagi.conf??????

[cepstral]

swift=/usr/local/bin/swift

voice=Allison-8kHz

Tips:

swift - ??????????

voice - ??????????????

?? AGI ???????

\$AGI->swift("This is the words you want to transcribe")

??? swift ????

swift(\$text, \$escape\_digits=', \$frequency=8000, \$voice=NULL)

**FAQ**

????/usr/bin/ld: skipping incompatible /opt/swift/lib/libswift.so when searching for -lswift

Ans: ??? Linux ? i386 ? x86\_64 ??????????????????

????

- [Allison's Text-to-Speech Trifecta: Cepstral, Asterisk 1.4 or 1.6, and FreePBX 2.4](#)
- [latest version of app-swift for Asterisk 1.6.10](#)
- [Text-to-Speech \(TTS\)](#)