**????**

Asterisk ?????????? Meetme ??

**???**

- ?? Zap Channel ? timing source?
- ??????(VAD)????????

?????http://sourceforge.net/projects/appkonference/files/
?????Elastix 1.6-12 (Asterisk 1.4.26.1 + FreePBX 2.5.22)

## Compiling app_konference

```
cd /usr/src
wget http://downloads.sourceforge.net/project/appkonference/appkonference/1.5/
appkonference-1.5.tar.gz?r=http%3A%2F%2Fsourceforge.net%2Fprojects%2Fappkonference%2Ffiles%2F&ts=128472
tar -xzf appkonference-1.5.tar.gz
cd appkonference
cd konference/
make
make install
asterisk -r
CLI> module load app_konference.so
CLI> konference  version
app_konference release 1.5
```

## ?? Asterisk

```
vi /etc/asterisk/manager_custom.conf
????????

[asterikast]
secret = asterikast
deny=0.0.0.0/0.0.0.0
permit=127.0.0.1
read = system,call,log,verbose,command,agent,user,config
write = system,call,log,verbose,command,agent,user,config
```

Elastix UI > PBX > PBX Configuration > Unembedded freePBX > Tools > Custom Destination

    Custom Destination = konference,s,1
    Description = konference-dynamic

Elastix UI > PBX > PBX Configuration > Misc Application

    Description = konference
    Feature Code = 9991
    Feature Status = Enabled

Destination = Custom Destination:konference-dynamic

Elastix UI > PBX > Tools > File Editor > File: extensions_custom.conf
????????

```
[konference]
exten => s,1,answer()
exten => s,n,Set(FLAGS=RiaM)
exten => s,n,Set(uid1=${CUT(UNIQUEID,.,1)})
exten => s,n,Set(uid2=${CUT(UNIQUEID,.,2)})
exten => s,n,Set(uid=${uid1}${uid2})
exten => s,n,noop(${FLAGS:0:1})
exten => s,n,noop(${FLAGS:1:1})
exten => s,n,noop(${FLAGS:2:1})
exten => s,n,noop(${FLAGS:3:1})
exten => s,n,wait(2)
exten => s,n(getconfno),read(conference,enter-conf-call-number)
;*****************We don't care what they enter we will just create it on the
fly*******************
exten => s,n,GotoIf($["foo${conference}"="foo"]?getconfno)
exten => s,n,Set(i=0)
exten => s,n,While($[${i} < ${LEN(${FLAGS})}])
exten => s,n,ExecIF($["${FLAGS:${i}:1}" = "i"]|Set|monitor=1)
exten => s,n,Set(i=${MATH(${i}+1,int)})
exten => s,n,EndWhile()
exten => s,n,GotoIF($["${monitor}" = "1"]?recorder,1)
exten => s,n(enterconf),konference(${conference},${FLAGS})

exten => recorder,1,answer()
exten => recorder,n,Set(recordingfile=${conference}-${STRFTIME(${EPOCH},,%Y%m%d-%H%M%S)})
exten => recorder,n,playback(conference)
exten => recorder,n,saydigits(${conference})
exten => recorder,n,playback(is-now-being-recorded)
exten => recorder,n,Monitor(wav,${recordingfile},m)
exten => recorder,n,goto(enterconf,1)

exten => enterconf,1,answer();
exten => enterconf,2,konference(${conference},q)
```

??????

# asterisk -rx "dialplan reload"

// ????

1. ???????????????? 9991?
2. ????????????????????????? 111555?
3. ????????XXXX?????
4. ?????????????

Notes:

    ? ?????????? 9991???????????
    ? ?????????????????????????????????
    ? ???????????????????????
    ? ??/??????????? FLAGS ???? i ???????????
    ? ????????? /var/spool/asterisk/monitor???? conferenceNO.-Timestamp?

## ?? Asterikast
// ?? Perl ??

```
perl -MCPAN -e shell
capn> install Math::Round
capn> install File::Touch
cpan> reload
cpan> quit
```

// Create DB and importing the data

```
mysql -u root -p
mysql> CREATE DATABASE conference;
mysql> GRANT ALL PRIVILEGES ON conference.* TO asteriskuser@localhost;
mysql> exit
cd /usr/src/appkonference/asterikast/
cd sql/
mysql -u root -p conference < asterikastConferenceManager.db
```

?? Table ???

```
mysql -u root -p conference
mysql> ALTER TABLE conference ADD uniqueid VARCHAR(32);
```

// ????

```
cd /usr/src/appkonference/asterikast/
cp -r www/ /var/www/html/konference
chown -R asterisk:asterisk /var/www/html/konference/
cp listener.pl /usr/local/bin/
dos2unix /usr/local/bin/listener.pl
vi /usr/local/bin/listener.pl
```

```
my $user = "asterikast";
my $secret = "asterikast";
my $mysql_password = "" ;??????? /etc/amportal.conf ??
```

```
cd /var/www/html/konference/
vi config.php.inc

$db_engine="mysql";
$mysql_username="asteriskuser";
$mysql_password="password" ;??????? /etc/amportal.conf ??
$mysql_db="conference";

// ??????


cd /usr/src/appkonference
cd asterikast/audio/
cp join.wav leave.wav /var/lib/asterisk/sounds
cd /var/lib/asterisk/sounds
chown asterisk:asterisk join.wav leave.wav

// ?????


# listener.pl
 Application is not running, now starting
# ps -ef | grep listener.pl
root    23243    1  0 10:36 pts/2   00:00:00 /usr/bin/perl /usr/local/bin/listener.pl

// ?????


# killall listener.pl
# rm /var/run/listener.pid
```

**Asterikast ????**



| Conference Number | Total Members | Commands |
|---|---|---|
| 888666 | 1 | |