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學習

Asterisk

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#asterisk

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1: Asterisk

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- ◦

Examples

CentOS 6.X

Asterisk◦

1. IP PBX
2. VoIP
3. ISDN / 3G IVVR

Redhat / centos**asterisk 1.8** linux:◦

1 Asterisk

2root

```
yum update

yum install joe gcc-c++ gcc-gnat gcc-g77 gcc-objc gcc autoconf automake bison flex cvs rpm-
build openssl-devel SDL-devel

yum install redhat-rpm-config sox sox-devel curl-devel ncurses-devel net-snmp net-snmp-libs
net-snmp-utils libxml2-devel gd-devel libpng-devel doxygen

yum install mysql-server mysql-devel // if needed
chkconfig --level 345 mysqld on
service mysqld start
yum install php php-fpm php-cli php-mysql php-gd php-imap php-ldap php-odbc php-pear php-xml
php-xmlrpc php-pecl-apc php-magickwand php-magpierss php-mbstring php-mcrypt php-mssql php-
shout php-snmp php-soap php-tidy //optional for web application

yum install bind caching-nameserver
yum install system-config-date

cd /path/to/asterisk/
make clean
./configure
```

◦

```
make menuselect // here from Add-ons check the app-mysql, cdr-mysql, res-config-mysql
make
make install

make config
chkconfig asterisk on
```

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```
asterisk -vvvvvvvvvvvvvvvvvvvvc
stop now
service asterisk start
```

4/etc/asterisk/cdr.confCDRDB

```
;csv
[mysql]
usegmttime=yes ; log date/time in GMT. Default is "no"
loguniqueid=yes ; log uniqueid. Default is "no"
loguserfield=yes ; log user field. Default is "no"
```

and add the following in cdr_mysql.conf

```
[global]
hostname=localhost
dbname=your_asterisk_db
table=cdr
password=your_ast_pass
user=your_ast_user
;port=3306
;sock=/tmp/mysql.sock
;userfield=1
```

5CDR

```
create table cdr( uniqueid varchar(32) NOT NULL default '', userfield varchar(255) NOT NULL
default '', accountcode varchar(20) NOT NULL default '', src varchar(80) NOT NULL default '',
dst varchar(80) NOT NULL default '', dcontext varchar(80) NOT NULL default '', clid varchar(80)
NOT NULL default '', channel varchar(80) NOT NULL default '', dstchannel varchar(80) NOT NULL
default '', lastapp varchar(80) NOT NULL default '', lastdata varchar(80) NOT NULL default '',
calldate datetime NOT NULL default '0000-00-00 00:00:00', duration int(11) NOT NULL default '0',
billsec int(11) NOT NULL default '0', disposition varchar(45) NOT NULL default '', amaflags
int(11) NOT NULL default '0' );
```

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```
asterisk -rvvvvvasterisk -rvvvvv
```

Asterisk 14Ubuntu 16.04 LTS

sudobash

```
#!/bin/bash

# get deps
apt -y install build-essential libncurses5-dev libxml2-dev libsqlite3-dev libssl-dev libsrtp0-
dev uuid-dev libjansson-dev

# download
cd /usr/src
wget http://downloads.asterisk.org/pub/telephony/asterisk/asterisk-14-current.tar.gz
tar -zxvf asterisk-14-current.tar.gz
```

```
rm asterisk-14-current.tar.gz
cd asterisk-14*

# Install pre-requisites
./contrib/scripts/install_prereq install
./contrib/scripts/install_prereq install-unpackaged
./contrib/scripts/get_mp3_source.sh

# Install
make clean
./configure
make menuselect
make
make install
make samples
make config

# Uncomment and edit the following lines to setup a snakeoil SSL cert
#mkdir /etc/asterisk/keys
#cd contrib/scripts/
# Change the following IP address to you server IP address
#./ast_tls_cert -C 192.168.254.2 -O "My company name" -d /etc/asterisk/keys

# Edit the following to adjust locale of sounds
cd /var/lib/asterisk/sounds
wget http://downloads.asterisk.org/pub/telephony/sounds/asterisk-core-sounds-en_GB-wav-current.tar.gz
wget http://downloads.asterisk.org/pub/telephony/sounds/asterisk-extra-sounds-en_GB-wav-current.tar.gz

tar -xzf asterisk-core-sounds-en_GB-wav-current.tar.gz
tar -xzf asterisk-extra-sounds-en_GB-wav-current.tar.gz
rm *.tar.gz
```

Asterisk <https://riptutorial.com/zh-TW/asterisk/topic/6842/asterisk>

S. No		Contributors
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