Softwares

- Asterisk 11.18/13
- Debian 7.8 wheezy

Install Required Dependencies

> apt-get update && apt-get upgrade

> apt-get install build-essential linux-headers-`uname -r` openssh-server \
apache2 mysql-server mysql-client libgnutls26 bison flex php5 php5-curl php5-cli \
php5-mysql php-pear php-db php5-gd curl sox libncurses5-dev libssl-dev \
libmysqlclient-dev mpg123 libxml2-dev libnewt-dev sqlite3 libsqlite3-dev \
pkg-config automake libtool autoconf git subversion openssl

Optional: Install PearDB

> pear uninstall db
> pear install db-1.7.14

You may receive a warning:
WARNING: "pear/DB" is deprecated in favor of "pear/MDB2"

At this time it is safe to ignore that message.

Reboot Server

> reboot

Compile and install Asterisk
Asterisk 11)

> cd /usr/local/src
> wget http://downloads.asterisk.org/pub/telephony/asterisk/asterisk-11-current.tar.gz
> tar xzf asterisk-11-current.tar.gz
> cd asterisk-11.18.0
> ./configure
> contrib/scripts/get_mp3_source.sh
> make menuselect
> make
> make install
> make samples
> make config
> make install-logrotate

TIPs?

make config command is used to generate the startup script in the directories /etc/init.d and /etc/default

make install-logrotate is used to generate the logrotate config in the directory /etc/logrotate.d

Asterisk 13)

```
cd /usr/src
wget http://downloads.asterisk.org/pub/telephony/asterisk/asterisk-13-current.tar.gz
tar xzf asterisk-13-current.tar.gz
cd asterisk-13.*/
./contrib/scripts/install_prereq install
./bootstrap.sh
./configure
make menuselect
make
make install
make config
make samples
make install-logrotate
```

TIPs?

make config command is used to generate the startup script in the directories /etc/init.d and /etc/default

make install-logrotate is used to generate the logrotate config in the directory /etc/logrotate.d

make menuselect)
for A2Billing:
- Add-ons > res_config_mysql, cdr_mysql
- Extras Sound Packages > EXTRA-SOUNDS-EN-GSM

Create Asterisk account and set the permissions of the directories

```
> addgroup --system asterisk
> adduser --system --ingroup asterisk --home /var/lib/asterisk --no-create-home --shell /bin/bash asterisk

> chown -R asterisk:asterisk /etc/asterisk
> chown -R asterisk:asterisk  /var/{run,log,spool,lib}/asterisk
```

Configure startup script

```
> vi /etc/default/asterisk
```

```
## uncomment the 2 lines below
AST_USER="asterisk"
```

AST_GROUP="asterisk"

Startup Asterisk

service asterisk start

TIPs?

> You may see the following info when starting the Asterisk, I think it is normal to ignore the message.
>
> Starting Asterisk PBX: asteriskPrivilege escalation protection disabled!
> See https://wiki.asterisk.org/wiki/x/1gKfAQ for more details.

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- Installing FreePBX on Debian Wheezy
- Asterisk Installation on Debian 7 (Wheezy)