**Install Pre-Requisites:**
apt-get install build-essential autoconf automake libtool flex bison libssl-dev libnewt-dev libncurses5-dev linux-headers-`uname -r`
apt-get install sox curl subversion subversion-tools
apt-get install mysql-client mysql-server libmysqlclient-dev
apt-get install php5 php5-cli php5-curl php5-gd php5-json php5-mcrypt php5-mhash php5-mysql php5-suhosin php5-xmlrpc php5-xsl php-pear
apt-get install apache2 apache2-mpm-prefork

**Setup Accounts:**
adduser --system --home /var/lib/asterisk --group asterisk
mkdir /var/run/asterisk
chown -R asterisk:asterisk /var/run/asterisk

**Download Asterisk:**
wget http://downloads.digium.com/pub/asterisk/asterisk-1.4.13.tar.gz
wget http://downloads.digium.com/pub/asterisk/asterisk-addons-1.4.4.tar.gz
wget http://downloads.digium.com/pub/zaptel/zaptel-1.4.6.tar.gz
wget http://downloads.digium.com/pub/libpri/libpri-1.4.2.tar.gz

**Uncompress Asterisk Sources:**
tar xzvf asterisk-1.4.13.tar.gz
tar xzvf asterisk-addons-1.4.4.tar.gz
tar xzvf zaptel-1.4.6.tar.gz
tar xzvf libpri-1.4.2.tar.gz

**Compile Asterisk Sources:**
cd zaptel-1.4.6 && ./configure && make install config && cd -
cd asterisk-1.4.13 && ./configure && make install && make samples && cd -
cd asterisk-addons-1.4.4 && ./configure && make install && cd -
cd libpri-1.4.2 && make && make install && cd -

**Setup MySQL:**
mysqladmin -u root password '<PASSWORD>'
mysqladmin -p create asterisk create asteriskcdrdb
echo "GRANT ALL PRIVILEGES ON asterisk.* TO asterisk@localhost IDENTIFIED BY '<PASSWORD>';" | mysql -u root –p
echo "GRANT ALL PRIVILEGES ON asteriskcdrdb.* TO asterisk@localhost IDENTIFIED BY '<PASSWORD>';" | mysql -u root -p

**Configure Asterisk Files:**
(/etc/apache2/apache2.conf):
  User asterisk
  Group asterisk

(/etc/asterisk/asterisk.conf):
  astrundir => /var/run/asterisk

(/etc/php5/apache2/php.ini):
  post_max_size = 20M
  upload_max_filesize = 20M

**Install PEAR for PHP:**
pear install db

**Setup Asterisk:**
<copy asterisk init file to server>
chmod +x /etc/init.d/asterisk
/etc/init.d/asterisk start
nano /etc/inittab <remove unused gettys 2-6>
chown -R asterisk:asterisk /var/spool/asterisk/
chown -R asterisk:asterisk /var/log/asterisk/

**Setup FreePBX:**

```
svn co https://amportal.svn.sourceforge.net/svnroot/amportal/freepbx/branches/2.3/ /usr/src/freepbx
mysql -p asterisk < /usr/src/freepbx/SQL/newinstall.sql
mysql -p asteriskcdrdb < /usr/src/freepbx/SQL/cdr_mysql_table.sql
cd /usr/src/freepbx && ./install_amp && cd -
```

**Update Ubuntu Startup Files:**

```
update-rc.d zaptel defaults
update-rc.d asterisk defaults
```

**Setup Zaptel if Required:**

(/etc/zaptel.conf)

```
  span=1,0,0,esf,b8zs
  bchan=1-23
  dchan=24
```

**Load Zaptel Modules:**

```
modprobe zaptel
modprobe wct1xxp
ztcfg -vv
```

**Visit the Web Interface:**

http://<yourhostname>/html/