

# Voximal : Voximal Module Installation

The Voximal module package install :

- Voximal V14.x

Supported Linux Distributions :

- Linux Centos 6 32/64bit
- Linux Centos 7 32/64bit
- Linux Ubuntu 14.0
- Linux Debian 8 32/64bit
- Linux Raspbian 8 Arm

Dependencies

- Asterisk 11 to 15
- FreePBX 12-13 for the GUI/Web configuration interface)
- Isaabel (tests)

Note : You need to disable linuxSE (if you already installed Asterisk it should already be done).

Note : You need the tar and gzip tools already installed on your server.

Then:

1. You need to be root to process the installation.
2. Untar the package.
3. Enter in the directory voximal\* created.
4. Execute the install.sh script and follow the instructions (generally answer 'y' for each question).
5. Check if the script already restarted your Asterisk, if not start your Asterisk.
6. When done, you see a new application, or an updated version (CLI> voximal show version).
7. If you use FreePBX you will see a new item in the web interface to manage the Voximal Application.

```
[root]# ./install.sh
Module found: app_voximal.so.asterisk_v11.16.0
--- Voximal V14.0 Installation ---
Creating directories
Installing binaries
Installing VoiceXML examples
Installing default voximal.conf
Installing libraries
Installing Voximal module for asterisk
Installing additional sounds
User asterisk exists, set permissions
Restarting asterisk.....
--- Voximal V14.0 installation has finished ---
```

## Extended features of the install script

```
# ./install.sh -h
Usage: ./install.sh [-d DIR ] [-u|-g] [-U user]
  -d : install directory default is root /
  -g : do not install gui modules
  -u : do not generate uid.txt
  -U : user for files permissions
  -h : this help
```

## Change the user and group for Asterisk

The best option is to use the option -U in the installation script :

```
#./install.sh -U asterisk:asterisk
```

If you want to control it manually follow this next steps :

If you want to run Asterisk without using the standard asterisk user follow those steps.

```
[root]# chown -R user:group /etc/asterisk/
[root]# chown -R user:group /var/spool/asterisk/
[root]# chown -R user:group /var/lib/asterisk/
[root]# chown -R user:group /var/log/asterisk/
```

```
[root]# chown -R user:group /var/log/voximal/
[root]# chown -R user:group /var/cache/voximal/
[root]# chown -R user:group /var/lib/voximal/vxml  #(for local VoiceXML
pages)
```

Check the daemon script and change the reference to asterisk:asterisk to the chosen user:group.

Example (with Centos 7 script) :

```
[Unit]
Description=Asterisk PBX and telephony daemon
Wants=network.target
After=network.target

[Service]
Type=simple
User=user  # instead of asterisk
Group=group  # instead of asterisk
Environment=HOME=/var/lib/asterisk
WorkingDirectory=/var/lib/asterisk
ExecStart=/usr/sbin/asterisk -f -C /etc/asterisk/asterisk.conf
ExecStop=/usr/sbin/asterisk -rx 'core stop now'
ExecReload=/usr/sbin/asterisk -rx 'core reload'
```

```
# safe_asterisk emulation
Restart=always
RestartSec=10

[Install]
WantedBy=multi-user.target
```

## Configure Voximal from the Web interface

If your installation uses the FreePBX interface, you can manage the Voximal configuration/using from there.

Follow the links :

- [Web Configuration](#)

## Configure Voximal in the Asterisk

In this mode you had install the Voximal in a standard Asterisk. So you need to configure a dialplan to use the Voximal application.

Follow the links :

- [Voximal Asterisk integration](#)
- [Configuration file: voximal.conf](#)

## Test your installation

You have two simple ways to test and validate your installation :

- With a soft phone : [Soft Phone connection](#)
- With the test numbers : [Call the test service](#)

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