

# 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 1.6 ... 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 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 questions).
5. Check if the script already restarted your Asterisk, if not start your Asterisk,.
6. When done, you see a new application, or and updated version (CLI> voximal show version).
7. If you use FreePBX you will see a new items 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 ---
```

## Change the user and group for Asterisk

If you want to run Asterisk without using the standard asterisk user follow thos 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 charge 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 you 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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