

# Voximal Web Configuration

## Access

All the configuration is managed through a web interface based on the FreePBX project. To access to the web interface, open the link

[http://your\\_server\\_address/admin](http://your_server_address/admin).

It's protected by a login (the first login after the installation will request you a password).



## Login

After installation there are 3 default login accounts, with different access permissions

- **user** : access to Voximal configuration and reports.
- **admin** : user access and network configuration
- **root** : full access (full freePBX features).

Each login has a default password (requested after the package installation, or the image activation), you can change them with the root account.



## System Status

The home page after login show you the system status.

- Host name of the server
- Summary : Main modules status
- Interpreter statistics
- Telephony statistics
- Uptime / Load average

The screenshot displays the Voximal Administration web interface. The top navigation bar includes 'Voximal', 'Connectivity', 'Reports', 'Settings', and 'Apply Config' buttons. The main content area is divided into several sections:

- System Overview:** A 'Welcome to ivr.ulex.fr' message with a 'Summary' section showing 'Telephony', 'Database', 'Web Server', and 'Interpreter' all with green checkmarks. A 'System Alerts' box indicates 'No critical issues found'. A notification states 'There are 10 bad destinations' with a 'Show All' link.
- Telephony Statistics:** A dashboard with a legend for 'Trunks Reged' (yellow), 'Trunks Offline' (red), and 'Active Calls' (blue). It features a line graph for 'Uptime' and a bar chart for 'CPU', 'Memory', 'Disk', and 'Network' usage.
- Interpreter Statistics:** A section for 'Sessions Status' with a table showing 'Pending' (0) and 'Peak' (1). Below it, statistics show 'Opened: 6', 'Error: 0', 'Refused: 0', and 'Max Duration: 81s'. An 'Average Counters' table shows 'Sessions' (0.00), 'Duration: 33.50', 'Response: 0.33', and 'CAPS: 0.00'.
- Uptime:** A box indicating the 'System Last Rebooted' on '1 day, 1 hour, 11 minutes, 33 seconds, ago'.
- Load Averages:** A table showing load averages for '1 Minute' (0.10), '5 Minutes' (0.03), and '15 Minutes' (0.01).

The footer of the interface shows 'Version: 1.0.121' and the 'voximal' logo.

## Main configuration steps

To configure the Voximal IVR you have 4 steps to do :

1. Configure the VoIP telephony access ([SIP accounts](#))
2. Create/edit a VoiceXML service ([Create a VoiceXML service](#))
3. Create Voximal accounts ([Voximal accounts](#))
4. Configure the relation between the DID and the VoiceXML service you want to use ([Routes configuration](#))

**Note:** On each configuration page, don't forget to click on **[Submit]** button at the bottom page before changing page. If you don't click on **[Submit]** you'll lose all your changes.

**Note:** All changes are not directly configure on the server. After one change, you'll see a button **[Apply Config]** in menu. To activate the changes on server you have to click on **[Apply Config]**.

### 1) Configure the telephony access

If your server is connected to the internet you can use the free test access to place calls to your server. There is nothing to do. You should only check that the port 4569 is open from/to internet in UDP.

You can create a SIP trunk with an operator with the page [Voip Providers](#). You have to enter informations :

- A trunk name : a string to identify you accounts
- The peers details : enter all trunk informations (host, username, password, type)

```
host=myprovider.com
username=0033123456789
type=peer
```

- Register informations : enter registry informations like :

```
0033123456789:password@myprovider.com/33123456789
```

- Click on **[submit]** button (don't remember to apply your modifications)

The screenshot shows the Voximal web interface. At the top, there is a navigation bar with 'Voximal', 'Connectivity', 'Reports', 'Settings', and an 'Apply Config' button. On the right, there are 'Logout: admin' and 'Language' options. The main content area is titled 'Add a Trunk' and lists several options: 'Add SIP (chan\_sip) Trunk', 'Add DAHDi Trunk', 'Add IAX2 Trunk', 'Add ENUM Trunk', 'Add DUNDi Trunk', and 'Add Custom Trunk'. A dropdown menu is open, showing a list of trunk names: 'ovh-demo-in (sip)', 'ovh-demo-out (sip)', 'ovh-ivr-in (sip)', 'ovh-ivr-out (sip)', 'ovh-test-in (sip)', 'ovh-test-out (sip)', 'voztele-in (sip)', and 'voztele-out (sip)'. At the bottom, there is a footer with 'Version 1.0.121', '18 Oct 11:10:40', the 'voximal' logo with the tagline 'The voice interaction', and a 'Support' link.

## 2) Create a VoiceXML service

You need to create VoiceXML service, by uploading it or writing it directly with the embedded VoiceXML/PHP editor. Select the application menu **Voximal**.

### Uploading VoiceXML service

Voximal Application

Accounts Editor

Directory: / var / www / html / vxml

Filename	Type	Size (bytes)	Date Modified
messaging.tgz	TGZ File	3,072,973	Aug 19 2015 3:53 PM
demo.tgz	TGZ File	137,915	Aug 17 2015 9:50 AM
vernal	<Directory>		Feb 8 2016 9:26 AM
messaging	<Directory>		Oct 29 2015 2:36 PM
app1	<Directory>		Jun 25 2015 5:56 PM
campaign	<Directory>		Apr 26 2016 4:58 PM
tests	<Directory>		Mar 9 2016 10:45 PM
helloworld	<Directory>		Apr 27 2016 10:07 AM
helloworld.vxml	VXML File	536	Oct 14 2016 11:05 PM
demo	<Directory>		Oct 10 2016 5:17 PM

Upload files to current directory

Select files to upload:  Aucun fichier choisi

In page Applications/Voximal click on **Editor** tab. At the end of the page, you have the way to upload files :

- Click on **Browse** and select your files (.vxml, .php, ...).
- Then click on **[Upload]**. Your files will appear in list.

## Create VoiceXML service with editor

You can update VoiceXML file (extension .vxml), by clicking on the filename. The file content will appear, and you'll be able to update it, and check the syntax.

The editor page allow to create folders and files, and edit them.

To create folders or files, click on right items on top right corner (**Create Directory** or **Create File**).

Then enter filename, and click **[Create]**.

```
1 <?xml version="1.0"?>
2 <vxml version="2.0" xmlns="http://www.w3.org/2001/vxml" xml:lang="en-US">
3   <form>
4     <block>
5       <var name="caller" expr="session.connection.remote.uri"/>
6       <var name="called" expr="session.connection.local.uri"/>
7       <var name="id" expr="telephone.id"/>
8       <var name="param" expr="telephone.param"/>
9       <prompt>
10        Welcome. You are on the Voximal IVR.
11        Your caller number is : <value expr="caller"/>.
12        You are calling the : <value expr="called"/>.
13        Goodbye
14      </prompt>
15    </block>
16  </form>
17 </vxml>
18
```

The Vxml syntax is valid

Version 1.0.121  
18 Oct 10:10:36

voximal  
The voice interaction

Support

### 3) Create a Voximal account

When your VoiceXML services is ready, you have to configure it in the server. To do it, add Voximal account. Select the **Voximal** menu item.

To create a Voximal Account, you have to define in minimum 2 required informations :

1. An application name, in field **Name**
2. The VoiceXML url of the service, in field **URL**. You can select a local one, in the list or writing a local or HTTP one.

There are several options :

1. **Max sessions** : you can define a specific limit, if you want lower maximum session than the license.
2. **Dial format** : you can define a specific dialout format for outgoing calls.
3. **Mark** : you can define a specific mark, that will appear in traces.
4. **Speech** : you can specify the use of the ASR. In case of using ASR server, the better way is to set **Automatic** choice.
5. **Max time** : you can set a maximum duration of call. If not setted or equals to 0, the duration is unlimited.
6. **Vxml parameter** : you can set a string to pass it to vxml script.
7. **Start delay** : you can set a time delay to start the service.

**Voximal Application**

Accounts Editor

### Add Application

The fields marked with \* can not be left in blank

Name\*

URL\*  Select ...

Max Sessions

Dial Format

Mark

Speech  Emulation  No  Yes  Automatic

Max time (s)

Session parameter

Start delay (ms)

Create

Add New Application

- Campaign
- Demo
- HelloWord
- messaging-consult
- messaging-depot
- Saasivr
- SiteVernal
- Tests
- Voximal\_Access

## 4) Number/Routes configuration

You have to define which application you want to use by default for all incoming calls.

It's done by defining the **any DID/any CID** or **All DIDs** settings in **Connectivity/Numbers** page.

1. Select **All DIDs** item (on top right corner)
2. Leave empty Field DID Number
3. Select the application to use : **Voximal Application**
  - You can select an existing application
  - Or create a new one by clicking "Add new **Voximal application**"
4. Click on **[submit]** button.

**Add Incoming Route**

Add Incoming Route

Description:

DID Number:

CallerID Number:

CID Priority Route:

**Options**

Alert Info:

CID name prefix:

Signal RINGING:

Reject Reverse Charges:

Pause Before Answer:

**Privacy**

Privacy Manager:

**Call Recording**

Call Recording:

Add Incoming Route  
All DIDs (toggle sort)  
User DIDs  
General DIDs  
Unused DIDs

any DID / any CID  
12345  
test / any CID  
Demo  
01 / any CID  
Echo Test  
700 / any CID  
Goldorak  
0034911413999 / any CID  
HelloWorld  
8965 / any CID  
Tests  
00 / any CID  
Voximal Demo  
33972538733 / any CID  
Voximal Test  
0033972538823 / any CID

## Configuration files

- [/etc/voximald.conf](#) (not modify this file)
- [/etc/asterisk/voximal.conf](#) (not modify directly this file)

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Permanent link: [https://wiki.voximal.com/doku.php?id=installation\\_guide:configuration:start&rev=1477428540](https://wiki.voximal.com/doku.php?id=installation_guide:configuration:start&rev=1477428540)

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