

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.

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).

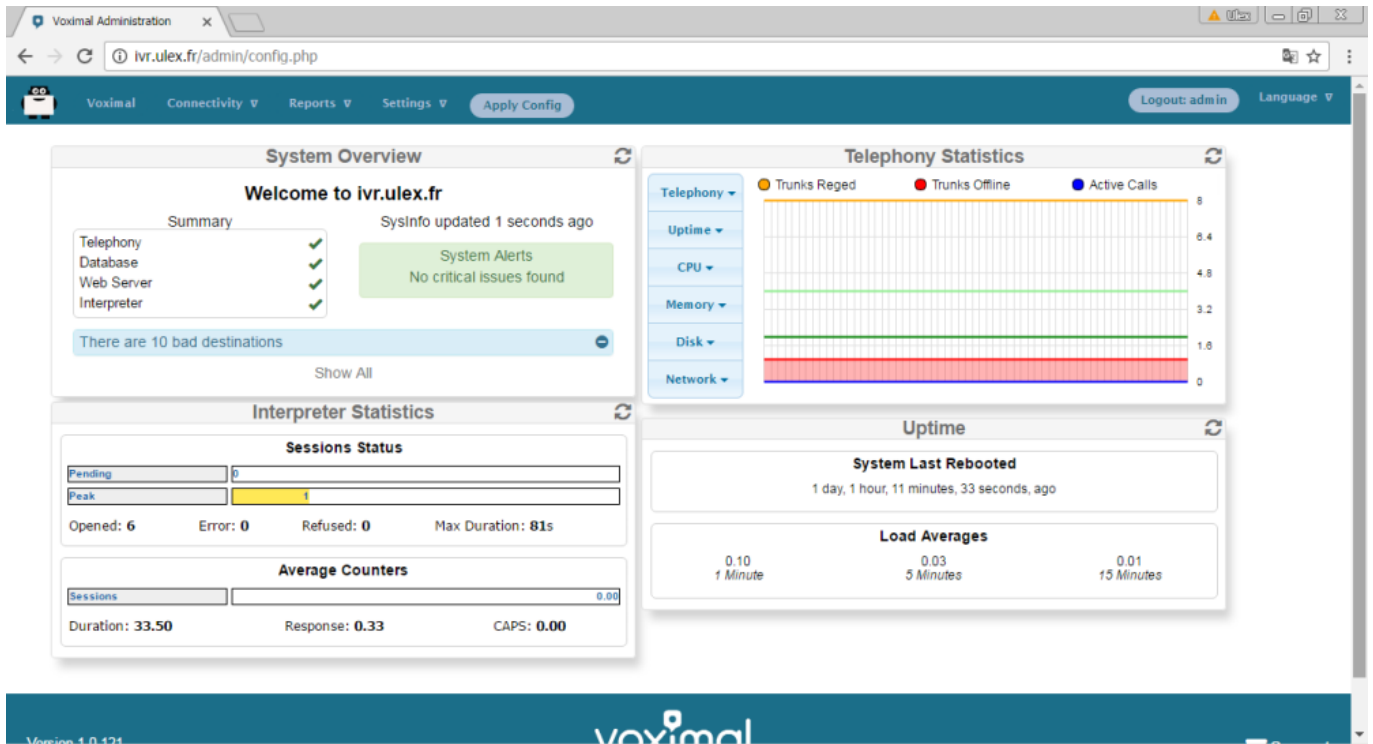
Each login has a default password (requested after the package installation, or the image activation), you can change them with the root account.



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



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

a) Use the test number and the PIN

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.

b) Connect a trunk SIP

Before you can make external calls or accept incoming calls from outside, you need to setup SIP Trunks. You can choose any VoIP Service providers. You can create a SIP trunk with an operator referenced in 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)

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c) Add an extension

After you setup your Voxibot, the first thing you do is to add extensions (connect a Phone). The integrated FreePbx allows you to add a couple of different Device types

- Generic SIP Device
- Generic IAX2 Device
- Generic DAHDi Device
- Other Custom Device

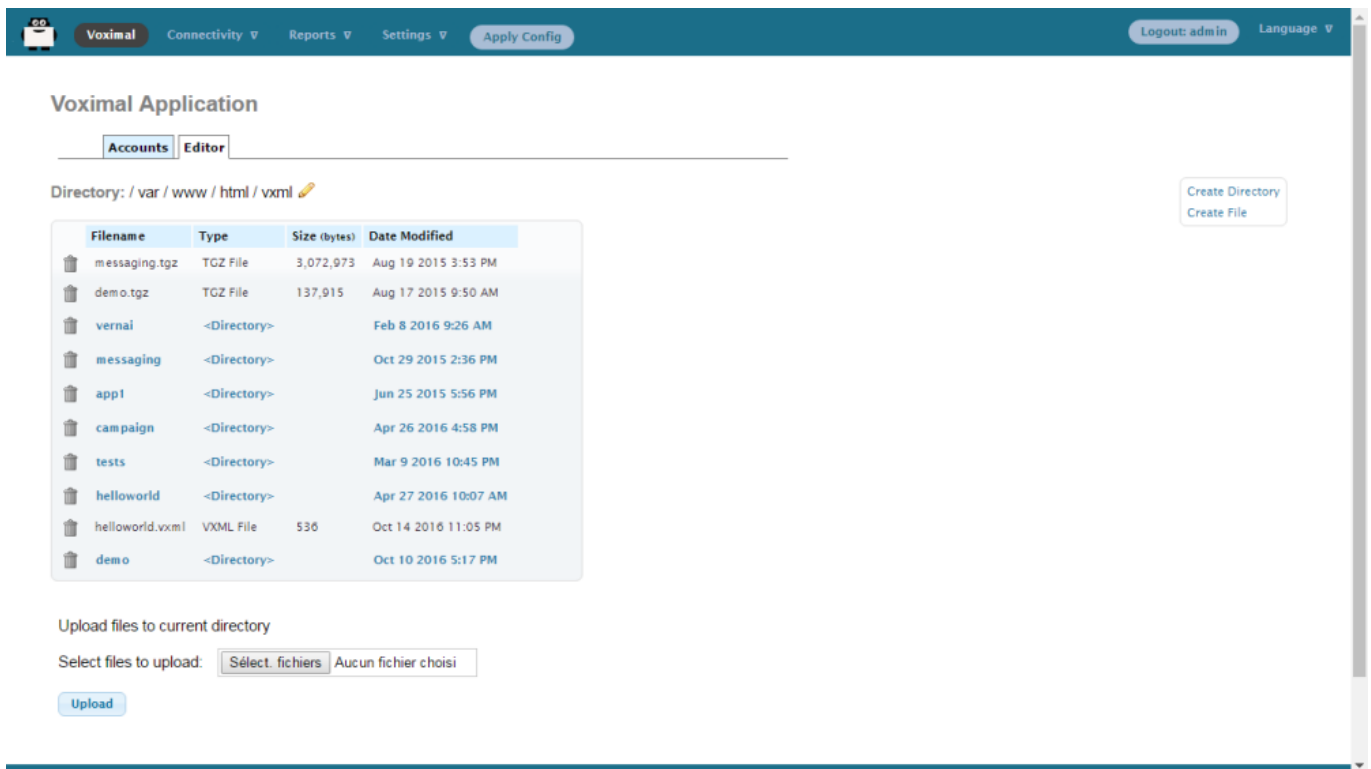
Among these types, SIP device is the most common and popular one.

You can give your extension any unique number, Display Name, password, whether allow this extension to accept inbound external calls or can make outbound external calls. can have voicemail or not etc.

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



The screenshot shows the Voximal application interface. At the top, there is a navigation bar with 'Voximal', 'Connectivity', 'Reports', 'Settings', and 'Apply Config' buttons. On the right, there are 'Logout: admin' and 'Language' options. Below the navigation bar, the 'Voximal Application' section is visible, with 'Accounts' and 'Editor' tabs. The 'Editor' tab is active, showing a directory path: 'Directory: / var / www / html / vxml'. To the right of the directory path are 'Create Directory' and 'Create File' buttons. Below the directory path is a table listing files and directories:

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

Below the table, there is an 'Upload files to current directory' section. It includes a 'Select files to upload:' label, a 'Sélect. fichiers' button, and a text input field containing 'Aucun fichier choisi'. Below this is an 'Upload' button.

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]**.



Voximal Application

Accounts Editor

Editing file: /helloworld.vxml

```
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
```

Save Back Check

The Vxml syntax is valid

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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.

The screenshot shows the 'Voximal Application' configuration page. At the top, there is a navigation bar with 'Voximal', 'Connectivity', 'Reports', 'Settings', and 'Apply Config' buttons. On the right, there are 'Logout: admin' and 'Language' options. The main heading is 'Voximal Application', with 'Accounts' and 'Editor' tabs. Below this is the 'Add Application' section, which includes a note: 'The fields marked with * can not be left in blank'. The form contains several input fields: 'Name*', 'URL*', 'Max Sessions', 'Dial Format', 'Mark', 'Speech' (with radio buttons for 'Emulation', 'No', 'Yes', 'Automatic'), 'Max time (s)', 'Session parameter', and 'Start delay (ms)' (pre-filled with '2000'). A 'Create' button is at the bottom left. On the right side, there is a dropdown menu titled 'Add New Application' with options: Campaign, Demo, HelloWord, messaging-consult, messaging-depot, Saasivr, SiteVernal, Tests, and Voximal_Access.

4) Number/Routes configuration

You have your DID number and SIP Trunk set up (with the test number, the called number will be 4568 : "VXML" in the dialpad). If you set up the inbound rules, you define when people call your DID number (for example 555-555-555) how your Voxiboy handle such call, normally you set up a Voximal Account (where you define the first VoiceXML document of your voice portal).

You can 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 (for example Voximal)
 - Or create a new one by clicking "Add new **Voximal application**"
4. Click on **[submit]** button.

Voximal Connectivity Reports Settings **Apply Config**
Logout: admin Language ▾

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

Call Detail Record

Voximal Connectivity Reports Settings **Apply Config**
Logout: admin Language ▾

CDR Reports

Call Detail Record Search

Order By	Search conditions	Extra options
<input checked="" type="radio"/> Call Date <input type="radio"/> CallerID Number <input type="radio"/> CallerID Name <input type="radio"/> Outbound CallerID Number <input type="radio"/> DID <input type="radio"/> Destination <input type="radio"/> Destination CallerID Name <input type="radio"/> Userfield <input type="radio"/> Account Code <input type="radio"/> Duration <input type="radio"/> Disposition <input type="text" value="Newest First"/>	From: 01 October 2016 00:00 To: 31 October 2016 23:59 Not: <input type="checkbox"/> Begins With: <input checked="" type="radio"/> Contains: <input type="radio"/> Ends With: <input type="radio"/> Exactly: <input type="radio"/> Not: <input type="checkbox"/> Begins With: <input checked="" type="radio"/> Contains: <input type="radio"/> Ends With: <input type="radio"/> Exactly: <input type="radio"/> Not: <input type="checkbox"/> Begins With: <input checked="" type="radio"/> Contains: <input type="radio"/> Ends With: <input type="radio"/> Exactly: <input type="radio"/> Not: <input type="checkbox"/> Begins With: <input checked="" type="radio"/> Contains: <input type="radio"/> Ends With: <input type="radio"/> Exactly: <input type="radio"/> Not: <input type="checkbox"/> Begins With: <input checked="" type="radio"/> Contains: <input type="radio"/> Ends With: <input type="radio"/> Exactly: <input type="radio"/> Not: <input type="checkbox"/> Begins With: <input checked="" type="radio"/> Contains: <input type="radio"/> Ends With: <input type="radio"/> Exactly: <input type="radio"/> Not: <input type="checkbox"/> Begins With: <input checked="" type="radio"/> Contains: <input type="radio"/> Ends With: <input type="radio"/> Exactly: <input type="radio"/> Between: <input type="text"/> And: <input type="text"/> Seconds All Dispositions: <input type="text"/> Not: <input type="checkbox"/> Group By: <input type="text" value="Day"/> <input type="button" value="Search"/>	<input checked="" type="checkbox"/> CDR search Report type: <input type="checkbox"/> CSV file <input type="checkbox"/> Call Graph Result limit: <input type="text" value="100"/>

Call Detail Record - Search Returned 100 Calls

Call Date	Recording	System	CallerID	Outbound CallerID	DID	App	Destination	Disposition	Duration	Userfield	Account
2016-10-18 00:21:13		1476742873.238	"Borja SIXTO" <11>	"Borja SIXTO" <11>		Dial	0170613300	ANSWERED	01:31		
2016-10-18 00:08:26		1476742106.222	"Borja SIXTO" <11>	"Borja SIXTO" <11>		Dial	0170613300	ANSWERED	00:38		
2016-10-18 00:02:35		1476741755.206	"Borja SIXTO" <11>	"Borja SIXTO" <11>		Dial	0170613300	ANSWERED	00:46		
2016-10-17 23:56:13		1476741373.190	"Borja SIXTO" <11>	"Borja SIXTO" <11>		Dial	0170613300	ANSWERED	00:46		
2016-10-17 23:50:50		1476741050.174	"Borja SIXTO" <11>	"Borja SIXTO" <11>		Dial	0170613300	ANSWERED	01:27		

Logs

Voximal Connectivity Reports Settings Apply Config Logout: admin Language

Voximal Log Files

voximal-debug 1000 Show

```

Here the logs:
Oct 17 11:32:50.74|0xb699eb70|0|14000|SBjsiEval|entering: 0xb5ec87b8, 'dialog.MyCall$.duration = 0;'
Oct 17 11:32:50.74|0xb699eb70|0|14004|JsiContext::Eval|Evaluation of dialog.MyCall$.duration = 0;, context 0xb5ea7a00
Oct 17 11:32:50.74|0xb699eb70|-1|4002||AccessBegin Lock
Oct 17 11:32:50.74|0xb699eb70|-1|4002||AccessBegin Locked
Oct 17 11:32:50.74|0xb699eb70|-1|4002||AccessEnd Unlock
Oct 17 11:32:50.74|0xb699eb70|0|14000|SBjsiEval|exiting: returned 0
Oct 17 11:32:50.74|0xb699eb70|0|16000|VXIrecHotwordTransfer|entered.
Oct 17 11:32:50.74|0xb699eb70|0|16000|VXIrecHotwordTransfer|return: rc = 0
Oct 17 11:32:50.74|0xb699eb70|0|17000|VXItelGetStatus|Session status 1 = active
Oct 17 11:32:50.74|0xb699eb70|0|17000||TransferBridge| dial:IMX2/access:27b3ec7a@13.92.253.0/8965
Oct 17 11:32:50.74|0xb699eb70|0|17000|IDump properties !
Oct 17 11:32:50.74|0xb699eb70|0|17000|VXIMap :: absoluteURI(string) = http://lic1.voximal.net/licenser/vxml/index.php?page=dial
Oct 17 11:32:50.74|0xb699eb70|0|17000|VXIMap :: base(string) = http://lic1.voximal.net/licenser/vxml/index.php?page=dial
Oct 17 11:32:50.74|0xb699eb70|0|17000|VXIMap :: encoding(string) = UTF-8
Oct 17 11:32:50.74|0xb699eb70|0|17000|VXIMap :: audiofetchhint(string) = prefetch
Oct 17 11:32:50.74|0xb699eb70|0|17000|VXIMap :: bargain(string) = true
Oct 17 11:32:50.74|0xb699eb70|0|17000|VXIMap :: bargaintype(string) = speech
Oct 17 11:32:50.74|0xb699eb70|0|17000|VXIMap :: confidencelevel(string) = 0.5
Oct 17 11:32:50.74|0xb699eb70|0|17000|VXIMap :: documentfetchhint(string) = safe
Oct 17 11:32:50.74|0xb699eb70|0|17000|VXIMap :: fetchaudiodelay(string) = 2s
Oct 17 11:32:50.74|0xb699eb70|0|17000|VXIMap :: fetchaudiominimum(string) = 5s
Oct 17 11:32:50.74|0xb699eb70|0|17000|VXIMap :: fetchtimeout(string) = 7s
Oct 17 11:32:50.74|0xb699eb70|0|17000|VXIMap :: grammarfetchhint(string) = prefetch
Oct 17 11:32:50.74|0xb699eb70|0|17000|VXIMap :: inputmodes(string) = dtmf voice
Oct 17 11:32:50.74|0xb699eb70|0|17000|VXIMap :: interdigittimeout(string) = 3s
Oct 17 11:32:50.74|0xb699eb70|0|17000|VXIMap :: maxnbest(string) = 1
Oct 17 11:32:50.74|0xb699eb70|0|17000|VXIMap :: objectfetchhint(string) = prefetch
Oct 17 11:32:50.74|0xb699eb70|0|17000|VXIMap :: scriptfetchhint(string) = prefetch
Oct 17 11:32:50.74|0xb699eb70|0|17000|VXIMap :: sensitivity(string) = 0.5
Oct 17 11:32:50.74|0xb699eb70|0|17000|VXIMap :: speedvsaccuracy(string) = 0.5
Oct 17 11:32:50.74|0xb699eb70|0|17000|VXIMap :: termchar(string) = #
Oct 17 11:32:50.74|0xb699eb70|0|17000|VXIMap :: termtimeout(string) = 0s
Oct 17 11:32:50.74|0xb699eb70|0|17000|VXIMap :: universals(string) = none
Oct 17 11:32:50.74|0xb699eb70|0|17000|VXIMap :: vxi.tel.connecttimeout(integer) = 25000
Oct 17 11:32:50.74|0xb699eb70|0|17000|VXIMap :: type = bridge
Oct 17 11:32:50.74|0xb699eb70|0|17000|VXItelTransferBridge|dest = dial:IMX2/access:27b3ec7a@13.92.253.0/8965
Oct 17 11:32:50.74|0xb699eb70|0|17000|VXItelTransferBridge|connecttimeout = -1242611640
Oct 17 11:32:50.74|0xb699eb70|0|17000|VXItelTransferBridge|MSG > 4 :

```

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Settings

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

Configuration files

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

From: <https://wiki.voximal.com/> - Voximal documentation

Permanent link: https://wiki.voximal.com/doku.php?id=installation_guide:configuration:start&rev=1477430000

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