

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).

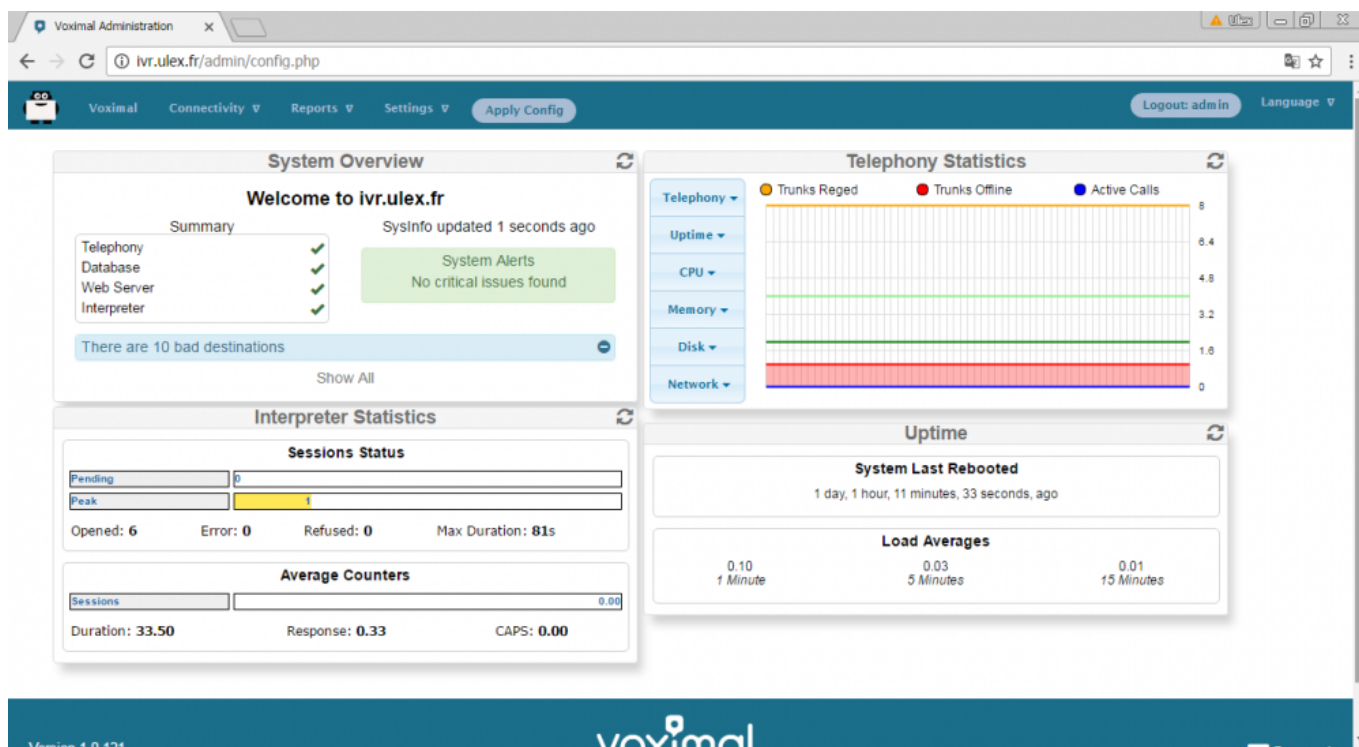
Each login has a default password (requested after the package installation, or the image activation), you can change them with the root account.



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

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 is a navigation bar with links for 'Voximal', 'Connectivity', 'Reports', 'Settings', and an 'Apply Config' button. On the right of the bar are 'Logout: admin' and 'Language' options. The main content area is titled 'Add a Trunk' and lists several options with green plus icons: 'Add SIP (chan_sip) Trunk', 'Add DAHDi Trunk', 'Add IAX2 Trunk', 'Add ENUM Trunk', 'Add DUNDi Trunk', and 'Add Custom Trunk'. On the right side of this section, there is a dropdown menu titled 'Add Trunk' with a list of options: '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 of the interface is a footer bar containing the version '1.0.121' and date '18 Oct 11:10:40' on the left, the 'voximal' logo with the tagline 'The voice interaction' in the center, and a 'Support' link on the right.

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 | 3,072,073 | 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 |

Create Directory
Create File

Upload files to current directory

Select files to upload:

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]**.



The screenshot shows the Voximal Application interface. At the top, there is a navigation bar with a logo, 'Voximal', and links for 'Connectivity', 'Reports', 'Settings', 'Apply Config', 'Logout: admin', and 'Language'. Below this, the 'Voximal Application' title is displayed, followed by 'Accounts' and 'Editor' tabs. The main area shows 'Editing file: /helloworld.vxml' with a code editor containing VXML code. The code defines a form with a block containing variables for caller, called, id, and param, and a prompt with a welcome message and a call to a service. Below the editor are 'Save', 'Back', and 'Check' buttons. A message states 'The Vxml syntax is valid'. The footer shows 'Version 1.0.121', '18 Oct 10:10:36', the 'voximal' logo with the tagline 'The voice interaction', and a 'Support' link.

```
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

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.

Voximal

Connectivity ▾

Reports ▾

Settings ▾

Apply Config

Logout: admin

Language ▾

Add Incoming Route

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

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 ?

Call Detail Record

Voximal

Connectivity ▾

Reports ▾

Settings ▾

Apply Config

Logout: admin

Language ▾

CDR Reports

Call Detail Record Search

Order By

Search conditions

Extra options

Call Date ?

CallerID Number ?

CallerID Name ?

Outbound CallerID Number ?

DID ?

Destination ?

Destination CallerID Name ?

Userfield ?

Account Code ?

Duration ?

Disposition ?

Between: And: Seconds

All Dispositions ▾ Not: ▾

Newest First ▾

Group By: Day ▾

Search

Report type : ☒ CDR search

Report type : ☐ CSV file

Report type : ☐ Call Graph

Result limit : 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_1|4000|SEjsiEval|entering: 0xb5ec87b8, 'dialog.MyCall\$.duration = 0;'

Oct 17 11:32:50.74|0xb699eb70|0_1|4004|JaiContext::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_1|4005|SEjsiEval|exiting: returned 0

Oct 17 11:32:50.74|0xb699eb70|0_1|6000|VXIrecHotwordTransfer|entered.

Oct 17 11:32:50.74|0xb699eb70|0_1|6000|VXIrecHotwordTransfer|return: rc = 0

Oct 17 11:32:50.74|0xb699eb70|0_1|7000|VXItelGetStatus|Session status 1 = active

Oct 17 11:32:50.74|0xb699eb70|0_1|7000|VXItransferBridge: dial:IAX2/access:27b3ec7a@13.92.253.0/8965

Oct 17 11:32:50.74|0xb699eb70|0_1|7000||Dump properties !

Oct 17 11:32:50.74|0xb699eb70|0_1|7000|VXIMap :: absoluteURI(string) = http://lic1.voximal.net/licenser/vxml/index.php?page=dial

Oct 17 11:32:50.74|0xb699eb70|0_1|7000|VXIMap :: base(string) = http://lic1.voximal.net/licenser/vxml/index.php?page=dial

Oct 17 11:32:50.74|0xb699eb70|0_1|7000|VXIMap :: encoding(string) = UTF-8

Oct 17 11:32:50.74|0xb699eb70|0_1|7000|VXIMap :: audiofetchhint(string) = prefetch

Oct 17 11:32:50.74|0xb699eb70|0_1|7000|VXIMap :: bargein(string) = true

Oct 17 11:32:50.74|0xb699eb70|0_1|7000|VXIMap :: bargeintype(string) = speech

Oct 17 11:32:50.74|0xb699eb70|0_1|7000|VXIMap :: confidencelevel(string) = 0.5

Oct 17 11:32:50.74|0xb699eb70|0_1|7000|VXIMap :: documentfetchhint(string) = safe

Oct 17 11:32:50.74|0xb699eb70|0_1|7000|VXIMap :: fetchaudiodelay(string) = 2s

Oct 17 11:32:50.74|0xb699eb70|0_1|7000|VXIMap :: fetchaudiominimum(string) = 5s

Oct 17 11:32:50.74|0xb699eb70|0_1|7000|VXIMap :: fetchtimeout(string) = 7s

Oct 17 11:32:50.74|0xb699eb70|0_1|7000|VXIMap :: grammarfetchhint(string) = prefetch

Oct 17 11:32:50.74|0xb699eb70|0_1|7000|VXIMap :: inputmodes(string) = dtmf voice

Oct 17 11:32:50.74|0xb699eb70|0_1|7000|VXIMap :: interdigittimeout(string) = 3s

Oct 17 11:32:50.74|0xb699eb70|0_1|7000|VXIMap :: maxnbest(string) = 1

Oct 17 11:32:50.74|0xb699eb70|0_1|7000|VXIMap :: objectfetchhint(string) = prefetch

Oct 17 11:32:50.74|0xb699eb70|0_1|7000|VXIMap :: scriptfetchhint(string) = prefetch

Oct 17 11:32:50.74|0xb699eb70|0_1|7000|VXIMap :: sensitivity(string) = 0.5

Oct 17 11:32:50.74|0xb699eb70|0_1|7000|VXIMap :: speedvsaccuracy(string) = 0.5

Oct 17 11:32:50.74|0xb699eb70|0_1|7000|VXIMap :: termchar(string) = #

Oct 17 11:32:50.74|0xb699eb70|0_1|7000|VXIMap :: termtimeout(string) = 0s

Oct 17 11:32:50.74|0xb699eb70|0_1|7000|VXIMap :: universals(string) = none

Oct 17 11:32:50.74|0xb699eb70|0_1|7000|VXIMap :: vxi.tel.connecttimeout(integer) = 25000

Oct 17 11:32:50.74|0xb699eb70|0_1|7000|VXIMap :: type = bridge

Oct 17 11:32:50.74|0xb699eb70|0_1|7000|VXItransferBridge|dest = dial:IAX2/access:27b3ec7a@13.92.253.0/8965

Oct 17 11:32:50.74|0xb699eb70|0_1|7000|VXItransferBridge|connecttimeout = -1242611640

Oct 17 11:32:50.74|0xb699eb70|0_1|7000|VXItransferBridge|MSG > 4 :

Version 1.0.121

voximal

Support

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=1477428806

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