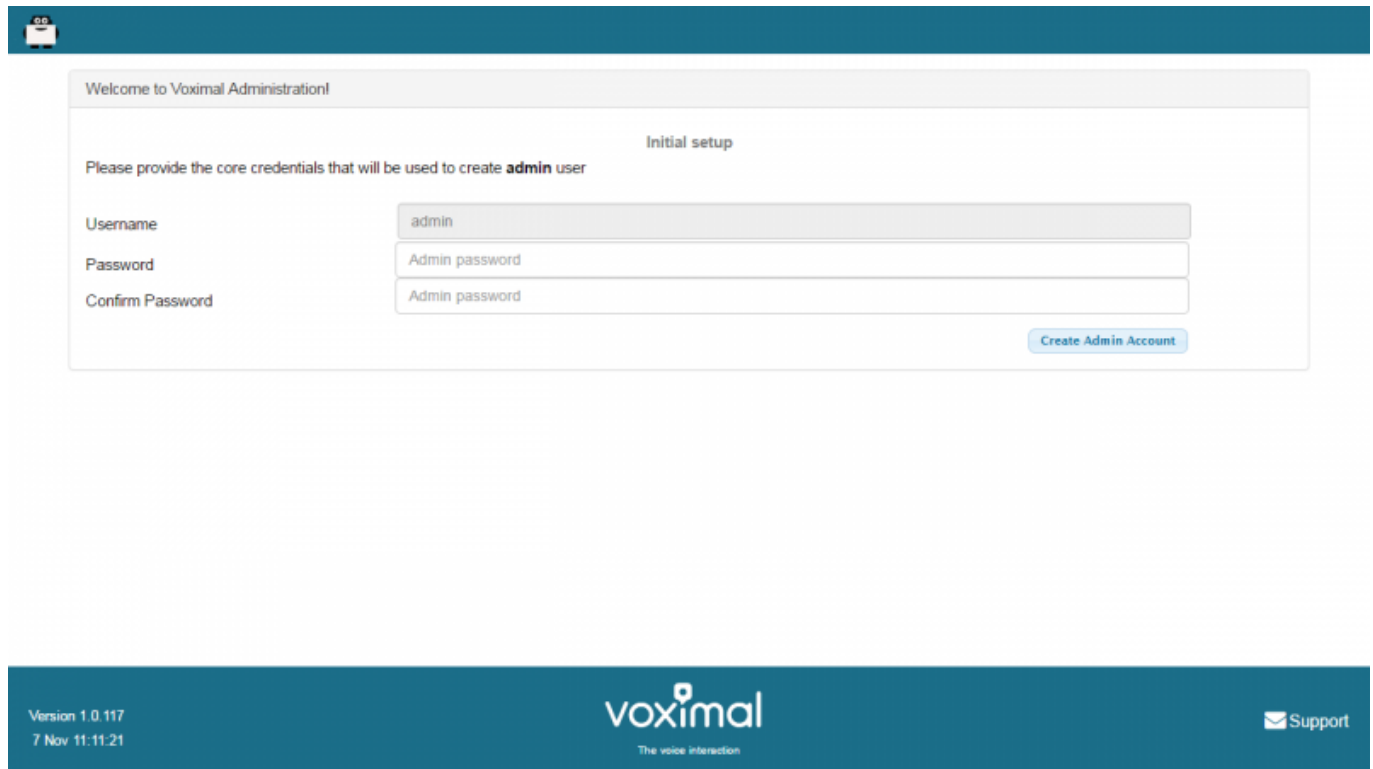


# Web Configuration

## Finalize your installation

The first time, your Web Interface request you to set your administration password. For security reasons, you need do to it just after the installation.



The screenshot shows the 'Initial setup' screen of the Voximal Administration interface. At the top, there is a teal header bar with a small icon on the left. Below the header, a light gray box contains the text 'Welcome to Voximal Administration!'. The main content area is titled 'Initial setup' and contains the instruction 'Please provide the core credentials that will be used to create **admin** user'. There are three input fields: 'Username' with the value 'admin', 'Password' with the value 'Admin password', and 'Confirm Password' with the value 'Admin password'. A blue button labeled 'Create Admin Account' is located at the bottom right of the form. At the bottom of the page, there is a teal footer bar. On the left, it shows 'Version 1.0.117' and '7 Nov 11:11:21'. In the center, the 'voximal' logo is displayed with the tagline 'The voice interaction'. On the right, there is a 'Support' link with an envelope icon.

## Access

All the configuration is managed throw 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).

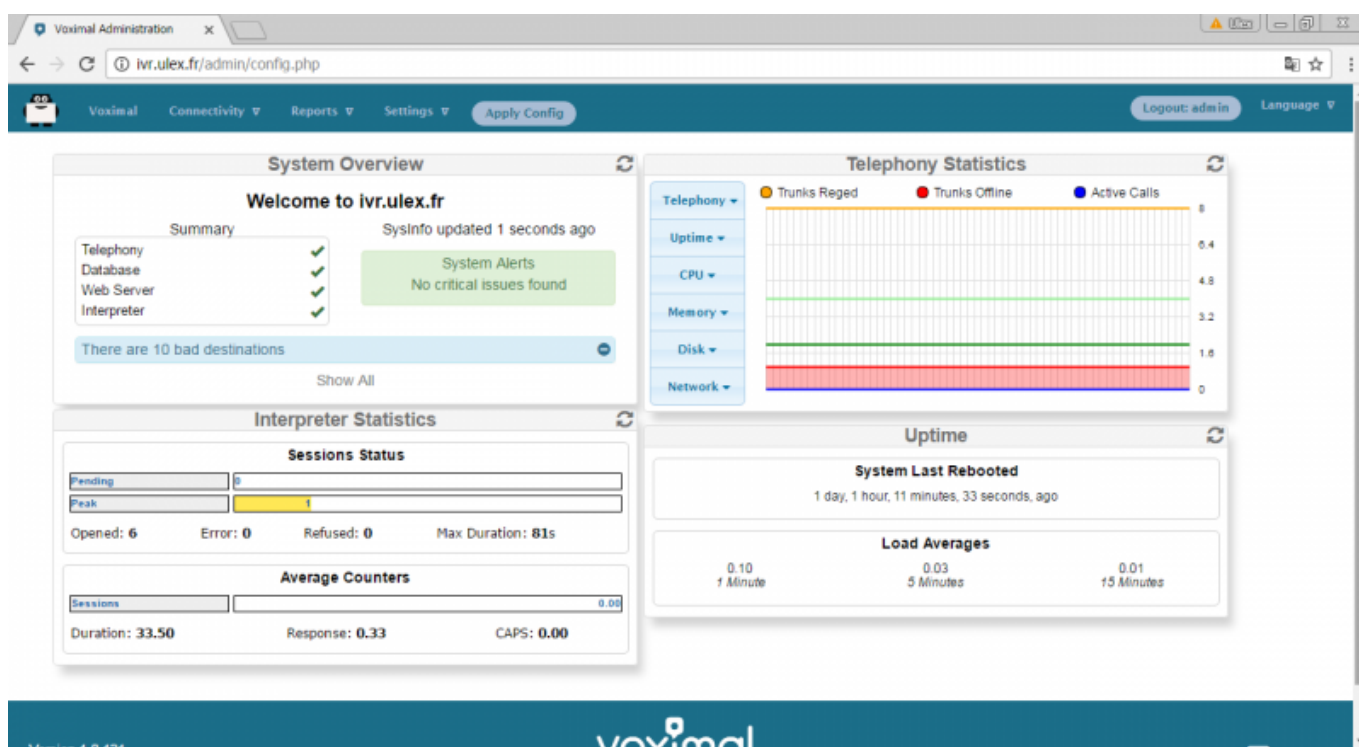
Each login has a default password (requested after the package installation, or the image activation), you can change them with the root account.



## 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



# 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 :

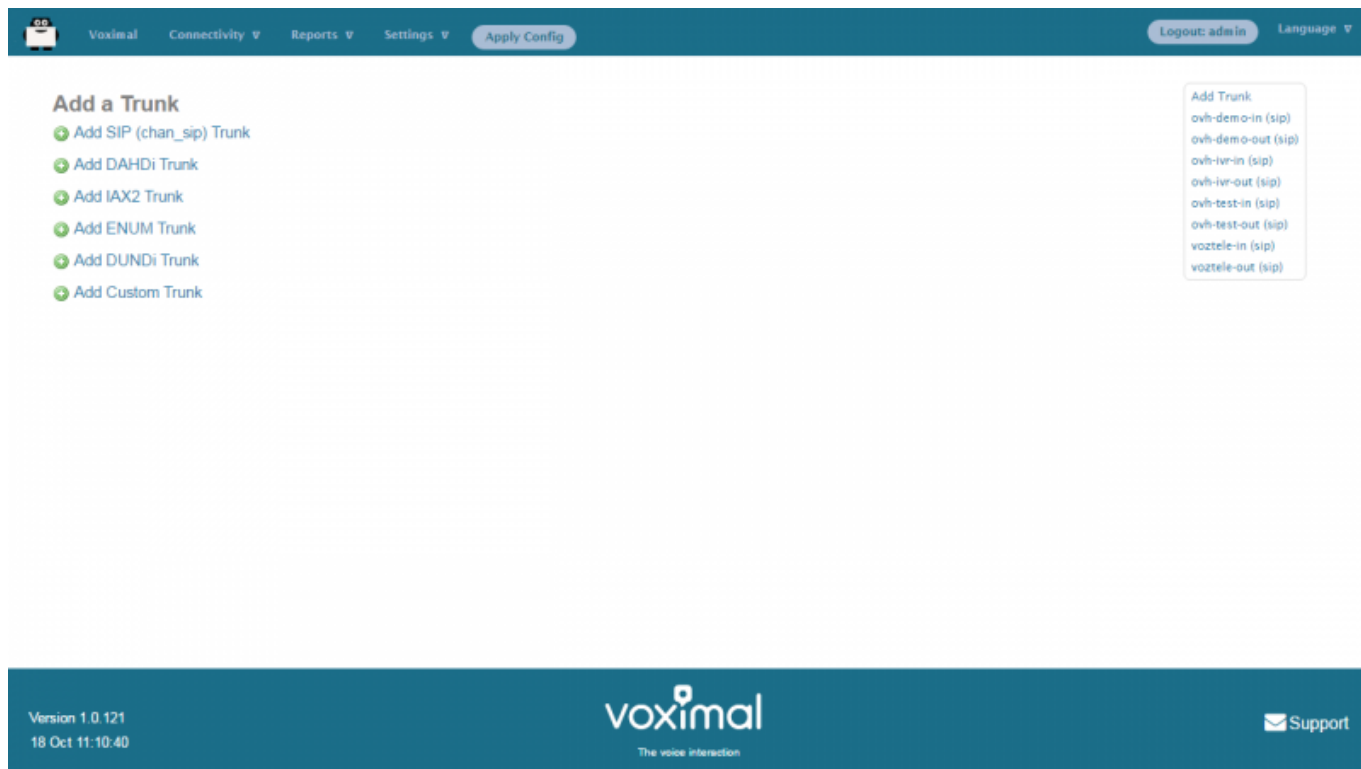
- A trunk name : a string to identify you accounts
- The peers details : enter all trunk informations (host, username, password, type)

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

- Register informations : enter registry informations like :

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

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



### 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.

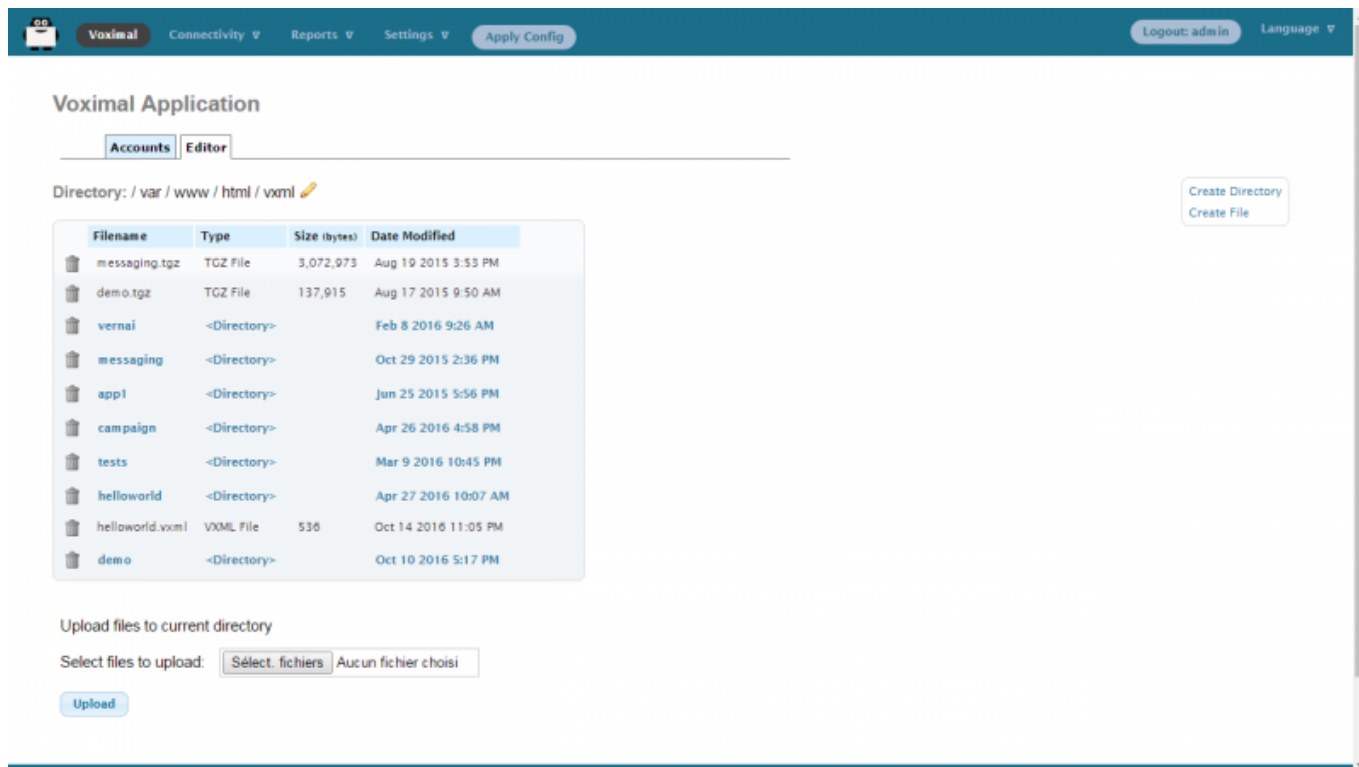
You can give your extension any unique number, Display Name, password, whether allow this extension to accept inbound external calls or can make outbound external calls. can have voicemail or not etc.

---

## 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 with the 'Editor' tab selected. The directory path is '/ var / www / html / vxml'. A table lists files and directories with columns for Filename, Type, Size (bytes), and Date Modified. Below the table, there is an 'Upload files to current directory' section with a 'Select files to upload:' button and an 'Upload' button.

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
vernai	<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

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 displays the Voximal web application interface. At the top, there is a navigation bar with a logo, 'Voximal', and several menu items: 'Connectivity', 'Reports', 'Settings', and 'Apply Config'. On the right side of the bar, there are links for 'Logout: admin' and 'Language'. Below the navigation bar, the main heading is 'Voximal Application'. Underneath, there are two tabs: 'Accounts' and 'Editor'. The 'Editor' tab is active, showing a text editor for editing a VXML file named 'helloworld.vxml'. The editor contains the following VXML code:

```
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
```

Below the code editor, there are three buttons: 'Save', 'Back', and 'Check'. Below these buttons, a message states 'The Vxml syntax is valid'. At the bottom of the interface, there is a footer bar with the version 'Version 1.0.121', the date '18 Oct 10:10:36', the Voximal logo, and a 'Support' link.

### 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.

## 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

Gldorak

0034911413999 / any CID

HelloWorld

8905 / any CID

Tests

00 / any CID

Voximal Demo

33972538733 / any CID

Voximal Test

0033972538823 / any CID

## Call Detail Record

The CDR Reports allows you to view a report showing the telephone calls made from and received to your system. You can choose to view a complete history or calls, or to search by date, date range, number called, caller ID, etc.

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

Result limit

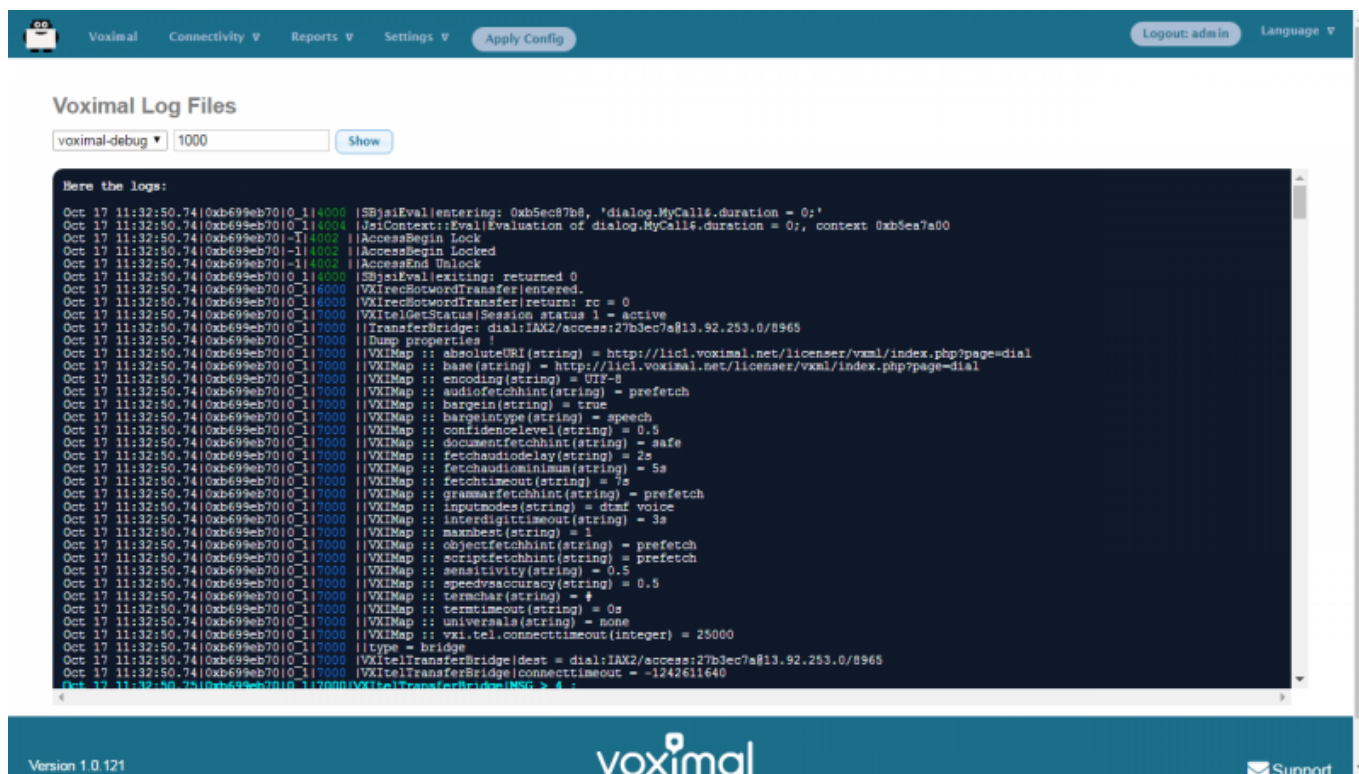
Call Detail Record - Search Returned 100 Calls

Call Date	Recording	System	CallerID	Outbound CallerID	DID	App	Destination	Disposition	Duration	Userfield	Account
2016-10-18 00:21:13		1476742873.238	"Borje SIXTO" <11>	"Borje SIXTO" <11>		Dial	0170613300	ANSWERED	01:31		
2016-10-18 00:09:26		1476742106.222	"Borje SIXTO" <11>	"Borje SIXTO" <11>		Dial	0170613300	ANSWERED	00:38		
2016-10-18 00:02:35		1476741755.206	"Borje SIXTO" <11>	"Borje SIXTO" <11>		Dial	0170613300	ANSWERED	00:46		
2016-10-17 23:56:13		1476741373.190	"Borje SIXTO" <11>	"Borje SIXTO" <11>		Dial	0170613300	ANSWERED	00:46		
2016-10-17 23:50:59		1476741050.174	"Borje SIXTO" <11>	"Borje SIXTO" <11>		Dial	0170613300	ANSWERED	01:27		

## Logs

The Asterisk Logfiles Module is an easy way to view portions of the Asterisk Log. However, this Module is only useful when you want to view a very recent event in the Asterisk Log.

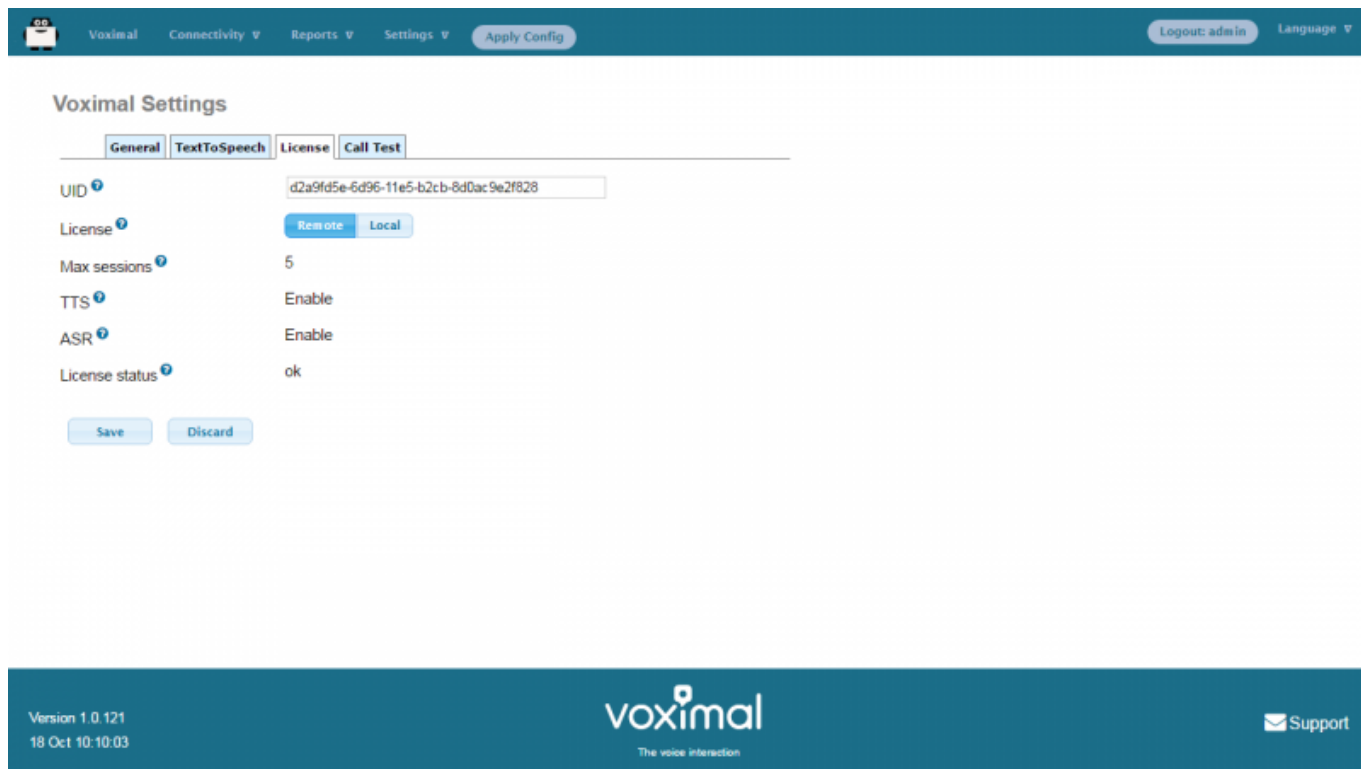
You have similar Module for the Voximal log :



The screenshot shows the Voximal web interface. At the top, there's a navigation bar with links for Voximal, Connectivity, Reports, Settings, and an Apply Config button. A user is logged out as 'admin'. Below the navigation bar, the 'Voximal Log Files' section is active. It features a dropdown menu set to 'voximal-debug' and a 'Show' button. The main area displays a list of log entries, each starting with a timestamp and a log level (e.g., 'Oct 17 11:32:50.7410xb699eb7010\_114000'). The log entries include various system messages and configuration details, such as 'ISBjsiEval:entering: 0xbSec87b8, 'dialog.MyCall\$.duration = 0;', 'AccessBegin Lock', 'AccessBegin Locked', 'AccessEnd Unlock', 'ISBjsiEval:exiting: returned 0', 'VXIrecBotwordTransfer:entered.', 'VXIrecBotwordTransfer:return: rc = 0', 'VXItelGetStatus|Session status 1 = active', 'TransferBridge: dial:IAX2/access:27b3ec7a@13.92.253.0/8965', 'Dump properties !', 'VXIMap :: absoluteURI(string) = http://licl.voximal.net/licenser/vxml/index.php?page=dial', 'VXIMap :: base(string) = http://licl.voximal.net/licenser/vxml/index.php?page=dial', 'VXIMap :: encoding(string) = UTF-8', 'VXIMap :: audiofetchhint(string) = prefetch', 'VXIMap :: bargein(string) = true', 'VXIMap :: bargeintype(string) = speech', 'VXIMap :: confidencelevel(string) = 0.5', 'VXIMap :: documentfetchhint(string) = safe', 'VXIMap :: fetchaudiodelay(string) = 2s', 'VXIMap :: fetchaudiominimum(string) = 5s', 'VXIMap :: fetchtimeout(string) = 7s', 'VXIMap :: grammarfetchhint(string) = prefetch', 'VXIMap :: inputnodes(string) = dtmf voice', 'VXIMap :: interdigittimeout(string) = 3s', 'VXIMap :: maxnbest(string) = 1', 'VXIMap :: objectfetchhint(string) = prefetch', 'VXIMap :: scriptfetchhint(string) = prefetch', 'VXIMap :: sensitivity(string) = 0.5', 'VXIMap :: speedvssaccuracy(string) = 0.5', 'VXIMap :: termchar(string) = #', 'VXIMap :: timeout(string) = 0s', 'VXIMap :: universalis(string) = none', 'VXIMap :: vxi.tel.connecttimeout(integer) = 25000', 'VXIMap :: vxi.tel.type = bridge', 'VXItelTransferBridge|dest = dial:IAX2/access:27b3ec7a@13.92.253.0/8965', 'VXItelTransferBridge|connecttimeout = -1242611640', and 'VXItelTransferBridge|MSG > # :'. The interface also shows 'Version 1.0.121' and a 'Support' link.

## Settings

### a) General

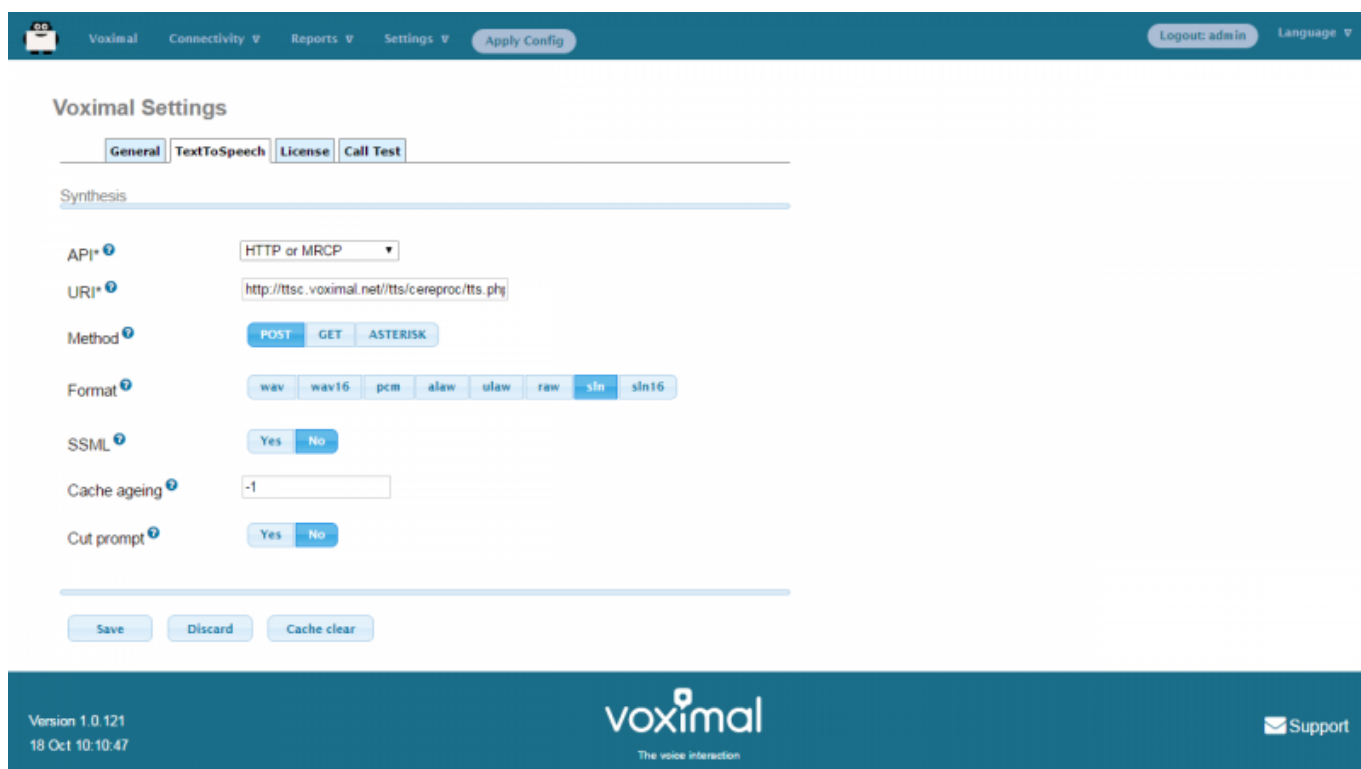


The screenshot shows the 'Voximal Settings' page with the 'License' tab selected. The page has a dark blue header with navigation links: 'Voximal', 'Connectivity', 'Reports', 'Settings', and 'Apply Config'. On the right, there are links for 'Logout: admin' and 'Language'. The 'License' tab contains the following settings:

Setting	Value
UID	d2a9fd5e-6d96-11e5-b2c8-8d0ac9e2f828
License	Remote (selected), Local
Max sessions	5
TTS	Enable
ASR	Enable
License status	ok

At the bottom of the settings are 'Save' and 'Discard' buttons. The footer of the page shows 'Version 1.0.121', '18 Oct 10:10:03', the 'voximal' logo with the tagline 'The voice interaction', and a 'Support' link.

## b) TextToSpeech



The screenshot shows the 'Voximal Settings' page with the 'TextToSpeech' tab selected. The page has the same dark blue header as the previous screenshot. The 'TextToSpeech' tab contains the following settings:


Setting	Value
API	HTTP or MRCP
URI	http://tts.voximal.net/tts/cereproc/tts.php
Method	POST (selected), GET, ASTERISK
Format	wav, wav16, pcm, alaw, ulaw, raw, sln (selected), sln16
SSML	Yes, No (selected)
Cache ageing	-1
Cut prompt	Yes, No (selected)

At the bottom of the settings are 'Save', 'Discard', and 'Cache clear' buttons. The footer of the page is identical to the previous screenshot, showing 'Version 1.0.121', '18 Oct 10:10:47', the 'voximal' logo, and a 'Support' link.

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

## d) License

Voximal

Connectivity ▾

Reports ▾

Settings ▾

Apply Config

Logout: admin

Language ▾

### Voximal Settings

General

TextToSpeech

License

Call Test

UID ⓘ

d2a9fd5e-6d96-11e5-b2cb-8d0ac9e2f828

License ⓘ

Remote

Local

Max sessions ⓘ

5

TTS ⓘ

Enable

ASR ⓘ

Enable

License status ⓘ

ok

Save


Discard

Version 1.0.121  
18 Oct 10:10:03

  
The voice interaction

Support

## c) Test number

Voximal

Connectivity ▾

Reports ▾

Settings ▾

Apply Config

Logout: admin

Language ▾

### Voximal Settings

General

TextToSpeech

License

Call Test

An easy way to make tests.  
To call your Voxibot :  
Call the +33(0)972538823 and enter the PIN number.

PIN ⓘ

?

Port number ⓘ

4569

Version 1.0.121  
18 Oct 10:10:11

  
The voice interaction

Support

# 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](https://wiki.voximal.com/doku.php?id=installation_guide:configuration:start)

Last update: **2020/10/12 15:31**

