



# **Installation Document**

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## Requirements:-

Operating System	:- CentOS-7-x86_64-Minimal-1810
Packages & Scripts	:- Can be downloaded from the FTP path provided or can be made available through external media like DVDs or USB storage devices.
Server Hardware	:- To be provided by the customer.
Network details	:- To be provided by the customer.
Infra Assistance	:- Well-managed data center / Server Room with proper Power Backup and Earthing for Safety and functional purpose has to be ensured by the customer.
Internet	:- Will be required on Server machine, IP Phones and Media gateways during implementation and upgradations.

## Steps for installation :-

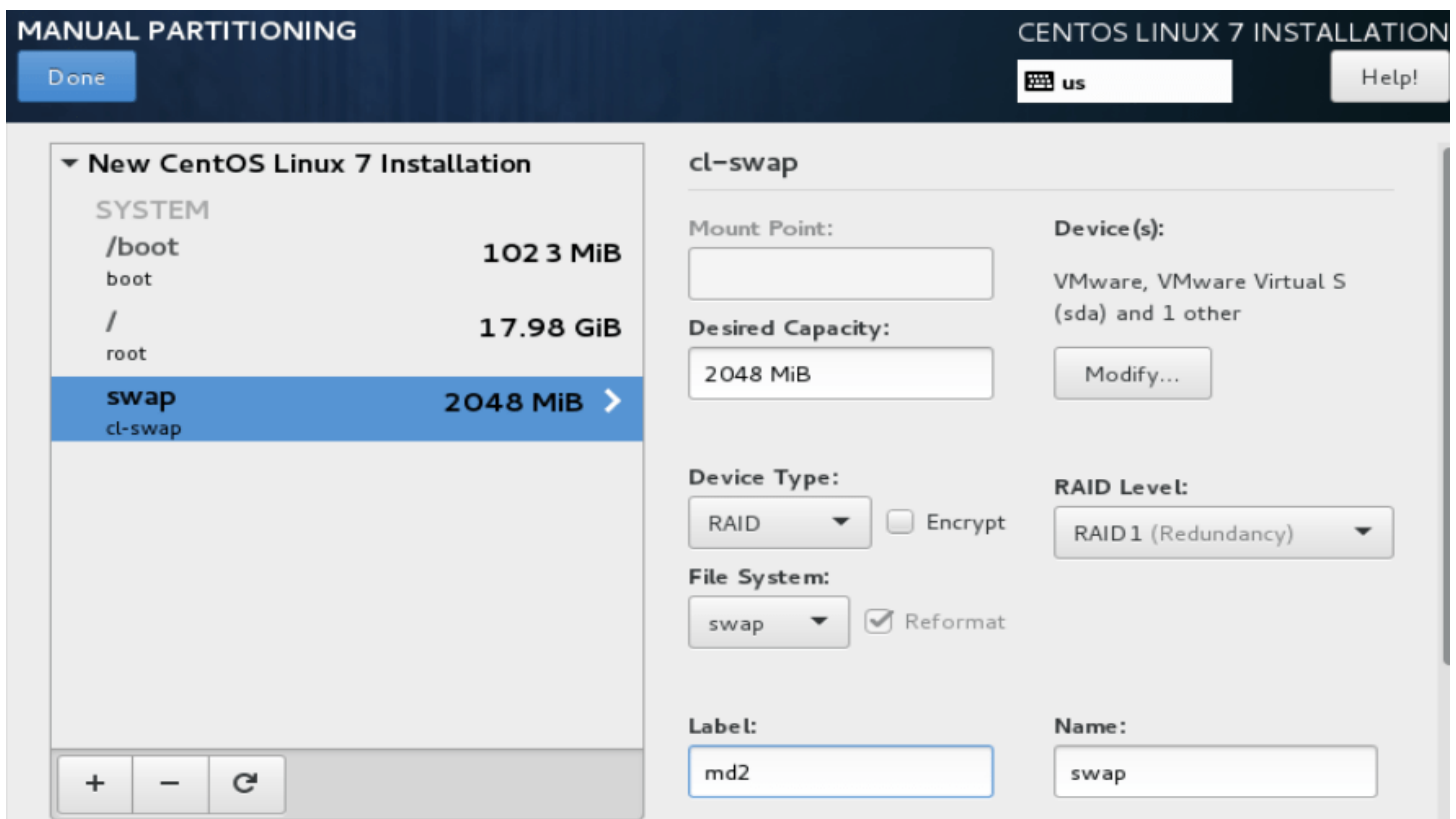
### Step 1 : Install Operating system

1. Install centos os and create manual partitions.

Partition details:-

Label	Path	Type	Size
Boot	/boot	ext4	1 GB
Swap	SWAP	-	8 GB (Or twice the RAM (whichever is lower)
Root	/	ext4	Remaining all space.

Image 1 - Partition scheme



After installation is completed login in using the username as root and password which is being set by you.

## Step 2: Setting IP address

1. Run command "**nmtui**" for setting up system IP you will get a GUI on which you can set the Ip Address refer image below.

Image 2 - Network Configuration



**Note:- Do all activities in screen from here.(yum install screen)**

## Step 3: Install Packages

1. Install wget package using the following command  
# yum install wget
2. Use command cd to navigate the path for installation.  
# cd /opt
3. Once you are in the directory check using "**pwd**" command to verify the path

## Step 4: Download Packages

The packages can be either downloaded from our FTP locations or the same can be made available through portable devices like DVDs or USB storage devices.

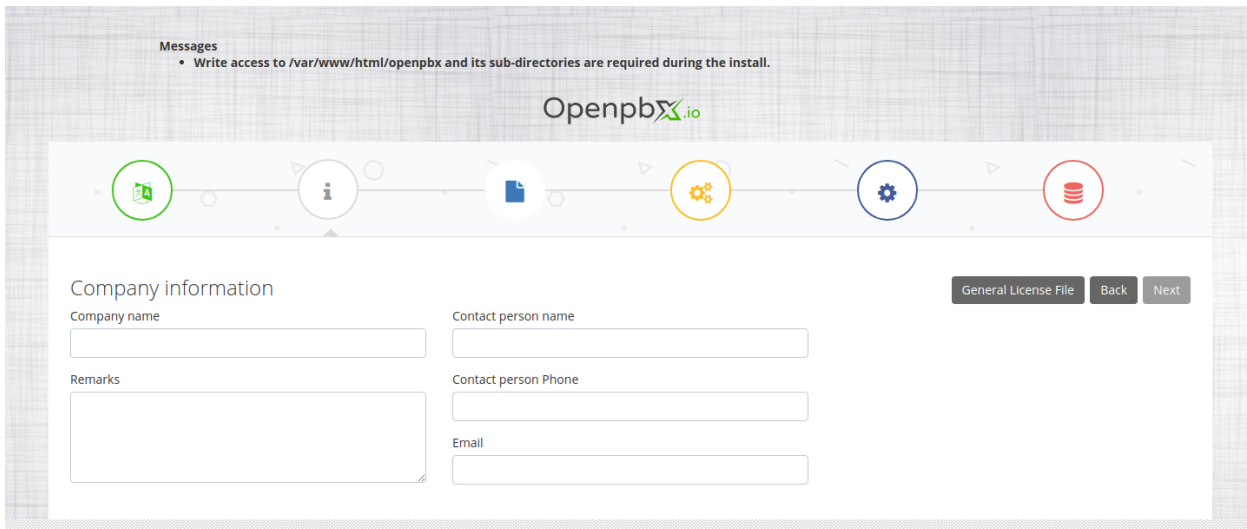
1. Download the package using the following command:-  
# wget https://43.241.61.188/intalk\_packages/openpbx-setup.tar
2. Now use command "**ls**" to check the downloaded file  
# ls

3. You will see a file name as openpbx-setup.tar, use command “**tar**” to unzip the file.  
# tar -xvf openpbx-setup.tar
4. After unzipping the file you will get a folder named openpbx-setup.
5. Navigate into the folder using cd command.  
#cd openpbx-setup
6. Run the below command  
# ./openpbx\_setup.sh
7. Now some steps will be performed. Wait till the script gets completed.  
**(note the script may take some time to run)**
8. **Reboot the machine**
9. Now you will get a message as installation is completed.
10. Once you get the message, then browse your ip over a web browser.  
Eg. 192.168.0.100/openpbx
11. Select language and continue

## Step 5: License setup

1. Please enter all of the details in blank field eg.  
Company name  
Contact person name  
Remarks  
Contact person phone  
Email

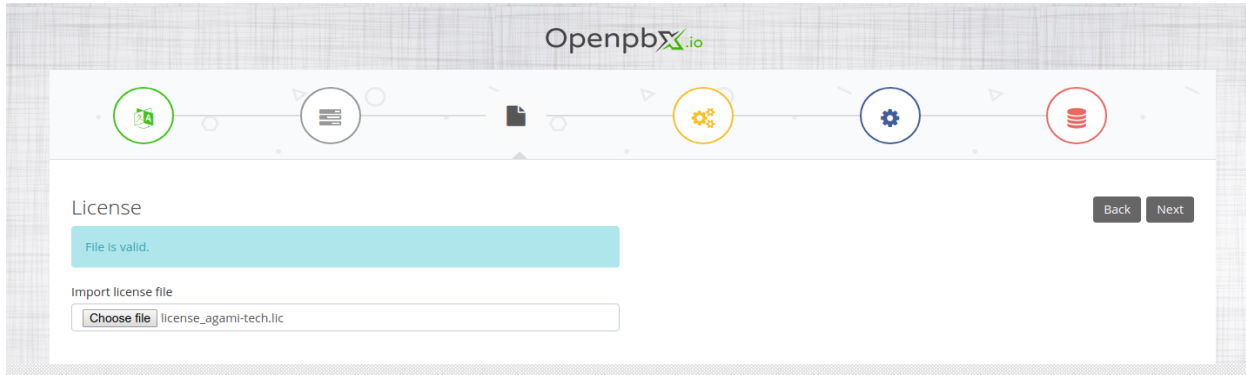
Image 3 - License Package File



The screenshot shows the OpenpbxX.io web interface. At the top, there is a message: "Write access to /var/www/html/openpbx and its sub-directories are required during the install." Below this is the OpenpbxX.io logo. A progress bar with five icons (a folder, a person, a document, a gear, and a database) is visible. The main section is titled "Company information" and contains five input fields: "Company name", "Contact person name", "Remarks" (a larger text area), "Contact person Phone", and "Email". To the right of these fields are three buttons: "General License File", "Back", and "Next".

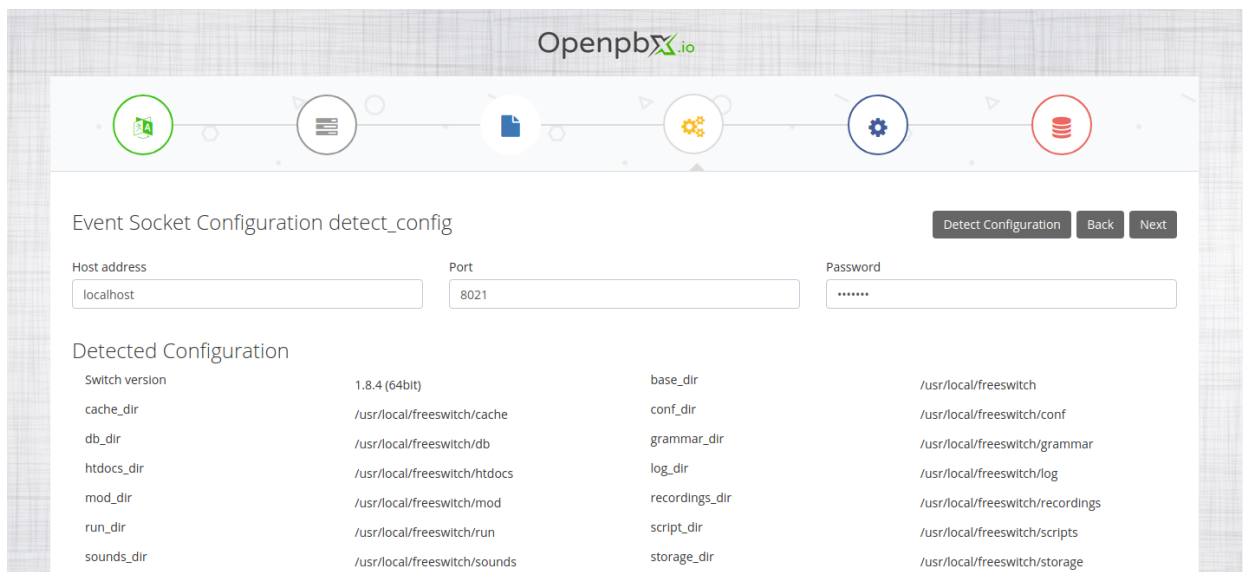
2. Once you complete the above part you will get a package file.
3. Send the package file to [license@agami-tech.com](mailto:license@agami-tech.com) for getting the license for openpbx.
4. You will receive a mail containing a license file then browse the file and upload it.

Image 4 - License Upload



5. After uploading the license file you will get a default settings page, leave it as it is and go to next page.

Image 5 - Default Settings

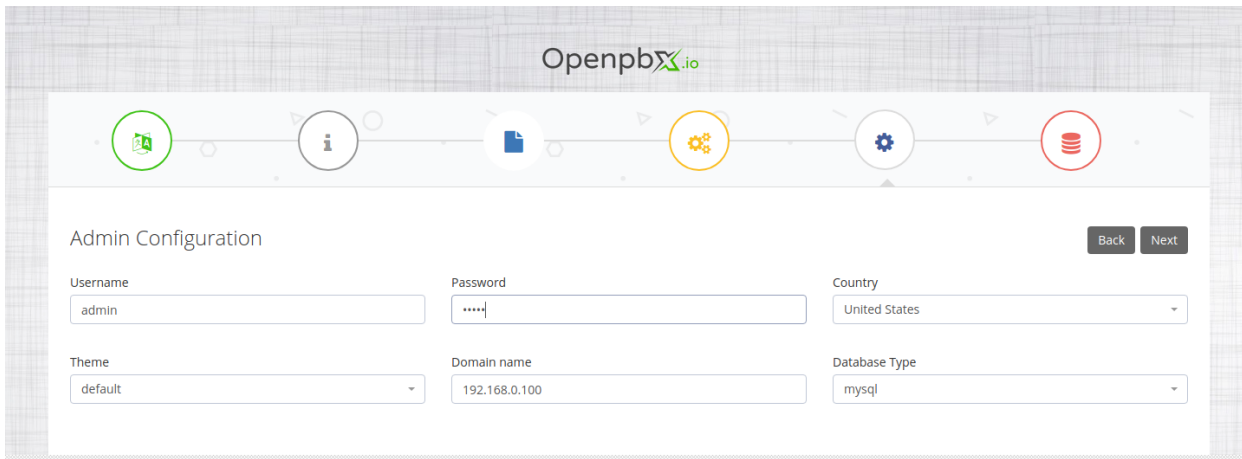


Switch version	1.8.4 (64bit)	base_dir	/usr/local/freeswitch
cache_dir	/usr/local/freeswitch/cache	conf_dir	/usr/local/freeswitch/conf
db_dir	/usr/local/freeswitch/db	grammar_dir	/usr/local/freeswitch/grammar
htdocs_dir	/usr/local/freeswitch/htdocs	log_dir	/usr/local/freeswitch/log
mod_dir	/usr/local/freeswitch/mod	recordings_dir	/usr/local/freeswitch/recordings
run_dir	/usr/local/freeswitch/run	script_dir	/usr/local/freeswitch/scripts
sounds_dir	/usr/local/freeswitch/sounds	storage_dir	/usr/local/freeswitch/storage

## Step 6 : Login details

1. Once you complete the above step you will get a page which will include fields like username and password which will be used for logging into openpbx.
2. Create a username and password and move to the next page.  
Eg :- Username :- admin  
Password :- admin

Image 6 - Admin User Creation



The screenshot shows the 'Admin Configuration' page in the OpenpbX.io interface. At the top, there is a progress bar with six icons: a green circle with a document, a grey circle with an 'i', a blue circle with a document, an orange circle with a gear (highlighted), a blue circle with a gear, and a red circle with a database. Below the progress bar, the title 'Admin Configuration' is on the left, and 'Back' and 'Next' buttons are on the right. The form contains six fields arranged in two rows and three columns:

Username	Password	Country
admin	.....	United States

Theme	Domain name	Database Type
default	192.168.0.100	mysql



## Step 7 : Database configuration

1. After setting up the login details you will have to setup database details as follows

Database username	:-	openpbx
Database Password	:-	somepassword
Database Name	:-	openpbx
Create Database Options	:-	check it.
Create Database Username	:-	root
Create Database Password	:-	agami210

Image 8 - Database Configuration

OpenpbX.io

Database Configuration

Back Next

Database Host	Database Port
localhost	3306
Database Username	Database Password
openpbx	somepassword
Database Name	Create Database Options
openpbx	<input checked="" type="checkbox"/> Create the database
Create Database Username	Create Database Password
root	agami210

Optional, this username is used to create the database, a database user and set the permissions. By default this username is root however it can be any account with permission to add a database, user, and grant permissions.

2. Once done, you are ready to configure your OpenpbX.io Setup for your Telephony needs.