ALLO.com's

Conference Server

(On 2nd Gen PRI Card with LEC)

Quick Installation Guide

allo.com

Copy Right

Proprietary Rights

Disclaimer

About this manual

This manual describes the Allo product application and explains how to work and use it major features. It serves as a means to describe the user interface and how to use it to accomplish common tasks. This manual also describes the underlying assumptions and users make the underlying data model.

Document Conventions

In this manual, certain words are represented in different fonts, typefaces, sizes, and weights. This highlighting is systematic; different words are represented in the same style to indicate their inclusion in a specific category. Additionally, this document has different strategies to draw User attention to certain pieces of information. In order of how critical the information is to your system, these items are marked as a note, tip, important, caution, or warning.

Icon	Purpose
	Note
	Tip/Best Practice
	Important
	Caution
	Warning

- **Bold** indicates the name of the menu items, options, dialog boxes, windows and functions.
- The color blue with underline is used to indicate cross-references and hyperlinks.
- Numbered Paragraphs - Numbered paragraphs are used to indicate tasks that need to be carried out. Text in paragraphs without numbering represents ordinary information.
- The Courier font indicates a command sequence, file type, URL, Folder/File name e.g. www.allo.com

Support Information

Every effort has been made to ensure the accuracy of the document. If you have comments, questions, or ideas regarding the document contact online support: http://support.allo.com

Table of Contents

Installation Steps

Installation of Pre-requisite packages

Dahdi version (2.9.1.1) from allo.com and

Asterisk (12.1.1) from source

Install all of Asterisk's dependencies that are required to compile asterisk.

The conference server source code can be obtained through ALLO.com. The conference server application is tested with an Asterisk 12.1.1 standard open source code.

The software also needs webserver, php (version >=5.3) and sqlite (version 3) software packages. The user can use the existing packages in their PC or use installation script to install it.

The installation script present in the source code can be used for installing the software. The script will patch dahdi and Asterisk source code; the paths for both sources need to be entered by the user while running the installation script.

Conference Server Installation Steps

1. The file downloaded will need to be extracted before compiling. Use the GNU tar application to extract the source code from compressed archive. This is a simple process that can be achieved through the following commands:

   $tar xvfz conferenceserver_<version>.tar.gz

2. Go to PCS folder then execute.

   $cd PCS

3. Run Install Script

 $./install_script.sh

   I.   Enter the dahdi 2.9.1.1 source path

   II. Enter the asterisk 12.1.1 source path.

III. If user have own web server they can configure it by using the steps given below. Other wise choose installation script to install the packages and configure it.

While installing webserver, using the installation script choose the type of OS in use.

IV. Select installation script to install sqlite3, if it's not presented.

V. Select installation script to install php, if it's not presented.

If everything goes fine "success" will be printed.

4. For card with 4 spans, make sure that span 3 and span 4 are UP in asterisk by connecting a loop back cable for the dummy channels.

5. Configure AMI (Asterisk Manager Interface) in manager.conf .You can use the previous settings if any.

Eg:-

[general]

enabled = yes

webenabled = yes

port = 5038

bindaddr = 0.0.0.0

[admin]

secret = admin

all

read = system,call,log,verbose,agent,user,config,dtmf,reporting,cdr,dialplan

write = system,call,agent,user,config,command,reporting,originate,message

6. Include CEM_Meetmeallo.conf file at the end of all incoming contexts as required using

#include CEM_Meetmeallo.conf

7. Create an outbound call context for making out-bound calls from the conference.

8. Mail Transfer Agent configuration. You can use the existing MTA if any or follow the below steps to install and configure the MTA.

I. Install ssmtp

For Ubuntu

$sudo apt-get install ssmtp

For centos

$wget -c http://dl.fedoraproject.org/pub/epel/5/x86_64/epel-release-5-4.noarch.rpm

 $rpm -ivh epel-release-5-4.noarch.rpm

$yum -y install ssmtp

$alternatives --config mta # select sendmail.ssmtp

II. sudo vim /etc/ssmtp/ssmtp.conf

   # Config file for sSMTP sendmail

   #

   root=MyEmailAddress@gmail.com

   mailhub=smtp.gmail.com:587

   AuthUser=MyEmailAddress@gmail.com

   AuthPass=MyPassword

   UseTLS=YES

   UseSTARTTLS=YES

   rewriteDomain=gmail.com

   hostname=MyEmailAddress@gmail.com

   FromLineOverride=YES

III.   sudo vim /etc/ssmtp/revaliases

root:YourFromName@gmail.com:smtp.gmail.com:587

IV.   8.4.Test the mta with

$echo "hello" | ssmtp ToName@gmail.com

In   centos   if   you   get   'sendmail: Cannot   open   smtp.gmail.com:587'   error   add
TLS_CA_File=/etc/pki/tls/certs/ca-bundle.crt

at the end of /etc/ssmtp/ssmtp.conf

For step II and III replace with your own credentials.

Manual Configuration for Webserver

1. Copy the Conference GUI folder to the http server document root path and provide proper
    permissions.

Ex-

cp -rf GUI /var/www/

chmod 777 -R /var/www/GUI/DB

chown www-data: www-data -R /var/www/GUI/DB

The document root may vary for different web server.

2. Add root permission for the web server user.

On the command prompt run visudo.

Add the following line to the file and save it.

<http-server-username> ALL= NOPASSWD: ALL

Ex-

www-data ALL= NOPASSWD: ALL

The web server user may vary for different web server.

3. Configure php cgi.

Configuration for php may vary for different web server. Not providing an example.

Your Installation of conference server is now complete.

Thank you for choosing

allo.com

Adarsh Eco Place, #176, Ground Floor, EPIP Industrial Area, Kundalahalli
KR Puram Hobali, Whitefield, Bangalore - 560066.

Email: globalsales@cem-solutions.net
          indiasales@cem-solutions.net

Phone: +91 80 67080808