# **Telephonic Server Test**

1. Disable SELinux in Centos.

# vim /etc/selinux/config

# SELINUX=disable

2. Install Required Packages

# yum install -y epel-release dmidecode gcc-c++ ncurses-devel libxml2-devel make wget openssl-devel newt-devel kernel-devel sqlite-devel libuuid-devel gtk2-devel jansson-devel binutils-devel libedit libedit-devel

3. Create user for Asterick

# adduser asterisk -c "Asterisk User"

# passwd asterisk // change pass “master”

# usermod -aG wheel asterisk

# su asterisk

4. Create a temporary directory

# mkdir ~/build && cd ~/build

5. PJSIP download page and grab the package

make sure to use the latest version:

# wget https://www.pjsip.org/release/2.9/pjproject-2.9.tar.bz2

# tar xvjf pjproject-2.9.tar.bz2

# cd pjproject-2.9

# ./configure CFLAGS="-DNDEBUG -DPJ\_HAS\_IPV6=1" --prefix=/usr --libdir=/usr/lib64 --enable-shared --disable-video --disable-sound --disable-opencore-amr

6. Check errors or warnings. All dependencies are installed:

# make dep

7. Link Lib

# make && sudo make install && sudo ldconfig

8. Ensure that all libraries are installed

# ldconfig -p | grep pj

# **Install Asterisk on CentOS**

1. Asterick Installation

# cd ~/build

# wget <http://downloads.asterisk.org/pub/telephony/asterisk/asterisk-16-current.tar.gz>

# tar -zxvf asterisk-16-current.tar.gz

# cd asterisk-16.5.1

2. Enable mp3 support to play music (Optional Step)

# sudo yum install svn

# sudo ./contrib/scripts/get\_mp3\_source.sh

3. Run the configure script to prepare the package for compiling

# sudo contrib/scripts/install\_prereq install

# ./configure --libdir=/usr/lib64 --with-jansson-bundle

4. Install missing dependencies

# yum install patch

5. Re-run the configure script

( Step 3)

6. Start the build process

# make menuselect

7. Music on hold feature,enable the “format\_mp3” feature from “Add-ons” section. Save your list and run these command

# make && sudo make install

8. To install the sample configuration files

# sudo make samples

9. To start Asterisk on boot

# sudo make config

10. Update the ownership of the following directories and files

# sudo chown asterisk. /var/run/asterisk

# sudo chown asterisk. -R /etc/asterisk

# sudo chown asterisk. -R /var/{lib,log,spool}/asterisk

11. Test installation

# sudo service asterisk start

# sudo asterisk –rvv

12. To see a list of available commands

asterisk\*CLI> core show help

13. To exit the Asterisk prompt

asterisk\*CLI> exit