

# Upgrading SNG7 PBX to latest SNG7 Version

## About PBXact, FreePBX Distro and AsteriskNOW SNG7 releases

Below is an outline of this version

- FreePBX 14
- SNG 7 OS (Derived from CentOS)
- Asterisk 13,14 and 15
- DAHDI 2.11

## System Impact

The upgrade procedures outlined below will stop Asterisk and may also require a system reboot to fully apply. Perform the system upgrade using a scheduled maintenance window.

## Release Notes

[Click here to view the release notes for these versions.](#)

## How to check the current FreePBX Distro version

You can check your current version by going to the Web GUI sysadmin module. Or, from the Linux command line, do a:

```
cat /etc/schmooze/pbx-version
```

## How to update from version 10.13.66 to SNG7 Releases

If you are on 10.13.66 track you will need to do a manual update as outlined on this [wiki](#) to get onto the SNG7 Release tracks.

## Upgrade Option 1: Manual Upgrade Using Version Upgrade Scripts

Upgrading your PBX manually requires updating both the PBX GUI Modules and all Linux Level RPMs as outlined below.

- Update PBX GUI Modules
  - From the Linux CLI run the following command to have it update all your modules
    - fwconsole ma installall

```

[root@localhost ~]# fwconsole ma installall
No repos specified, using: [standard,commercial] from last
GUI settings

Up to date.
Installing missing modules: asteriskinfo
Downloading & Installing 'asteriskinfo'
Downloading module 'asteriskinfo'
Processing asteriskinfo
Downloading...
 51096/51096 [=====] 100%
Finished downloading
Extracting...Done
Download completed in 1 seconds
Generating CSS...Done
Module asteriskinfo successfully installed
Updating Hooks...Done

Done. All modules installed.
Updating Hooks...Done
[root@localhost ~]#

```

- Now we need to tell the PBX to apply config these changes. This command is the same as pressing the Red Apply Config bar from your PBX UI
  - fwconsole r

```

[root@localhost ~]# fwconsole r
Reloading FreePBX
Successfully reloaded
[root@localhost ~]#

```

- Update Linux RPMs including Asterisk
  - From the Linux CLI run the following command to have it update all your RPMs and Packages
    - yum -y update

```

[root@localhost ~]# yum -y update
Loaded plugins: fastestmirror, versionlock
sng-
base
| 3.6 kB  00:00:00
sng-
epel
| 4.7 kB  00:00:00
sng-
extras
| 3.4 kB  00:00:00
sng-
pkgs
| 3.4 kB  00:00:00
sng-

```

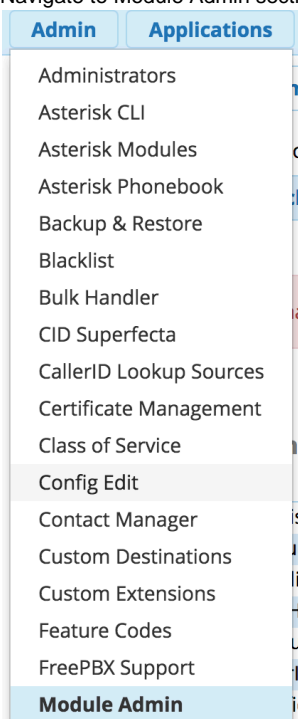
```
updates
| 3.4 kB 00:00:00
(1/6): sng-epel/7/x86_64
/group_gz
| 266 kB 00:00:00
(2/6): sng-epel/7/x86_64
/updateinfo
| 851 kB 00:00:00
(3/6): sng-extras/7/x86_64
/primary_db
| 130 kB 00:00:00
(4/6): sng-pkgs/7/x86_64
/primary_db
| 487 kB 00:00:00
(5/6): sng-epel/7/x86_64
/primary_db
| 6.1 MB 00:00:00
(6/6): sng-updates/7/x86_64
/primary_db
| 4.5 MB 00:00:00
Loading mirror speeds from cached hostfile
Resolving Dependencies
--> Running transaction check
---> Package apr.i686 0:1.4.8-3.el7 will be updated
---> Package apr.x86_64 0:1.4.8-3.el7 will be updated
(37/41): sangoma-pbx-1712-1.sng7.noarch.
rpm
| 14 kB 00:00:00
(38/41): ssh_keys-3.1-27.sng7.noarch.
rpm
| 15 kB 00:00:00
(39/41): kernel-3.10.0-693.11.1.el7.x86_64.
rpm
| 43 MB 00:00:03
(40/41): selinux-policy-targeted-3.13.1-166.el7_4.7.noarch.
rpm
| 6.5 MB 00:00:00
(41/41): util-linux-2.23.2-43.el7_4.2.x86_64.rpm
Updating : gcc-4.8.5-16.el7_4.1.
x86_64
20/80
Updating : gcc-c++-4.8.5-16.el7_4.1.
x86_64
21/80
Updating : selinux-policy-3.13.1-166.el7_4.7.
noarch
22/80
Updating : selinux-policy-targeted-3.13.1-166.el7_4.7.
noarch
23/80
```

- You will notice above one of the packages it updated is your PBX version package of 1712. This is the package that updates the version in /etc/schmooze/pbx-version so after this completes that file should now show the new version.
- Reboot your PBX after upgrades of RPMs

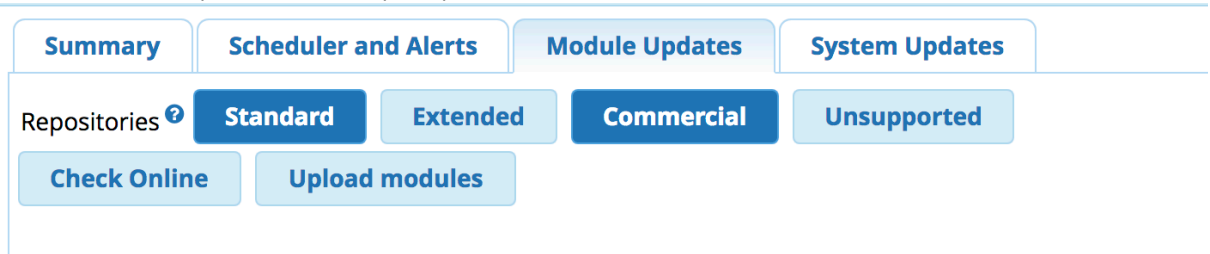
```
[root@localhost ~]# reboot -h now
```

## Upgrade Option 2: Upgrade Using Module Admin

- Update PBX GUI Modules
  - Navigate to Module Admin section of your PBX GUI



- Click on the Module Updates tab at the top and press the Check Online button



- A list of all modules needing update will be shown.

Admin					
Module	Version	Track	Publisher	License	Status
› Asterisk CLI	14.0.1	Stable	Sangoma Technologies	GPLv3+	Enabled and up to date
› Backup & Restore	14.0.3	Stable	Sangoma Technologies	GPLv3+	Online upgrade available (14.0.3.5)
› Blacklist	13.0.14.3	Stable	Sangoma Technologies	GPLv3+	Online upgrade available (13.0.14.7)
› Bulk Handler	13.0.14.4	Stable	Sangoma Technologies	GPLv3+	Enabled and up to date
› CID Superfecta	13.0.4.1	Stable	Sangoma Technologies	GPLv2+	Online upgrade available (13.0.4.2)
› CallerID Lookup	14.0.1.1	Stable	Sangoma Technologies	GPLv3+	Online upgrade available (14.0.1.2)
› Certificate Manager	13.0.36.10	Stable	Sangoma Technologies	AGPLv3+	Online upgrade available (13.0.36.11)
› Class of Service	13.0.11.4	Stable	Sangoma Technologies	Commercial	Online upgrade available (13.0.11.9)
› Config Edit	13.0.7	Stable	Sangoma Technologies	AGPLv3+	Enabled and up to date
› Contact Manager	14.0.3	Stable	Sangoma Technologies	GPLv3+	Online upgrade available (14.0.3.1)
› Custom Applications	13.0.5.2	Stable	Sangoma Technologies	GPLv3+	Enabled and up to date
› Feature Code Admin	13.0.6.4	Stable	Sangoma Technologies	GPLv3+	Enabled and up to date

- Press the Download All and Upgrade All option than Press the Process button to have it upgrade and download all module updates

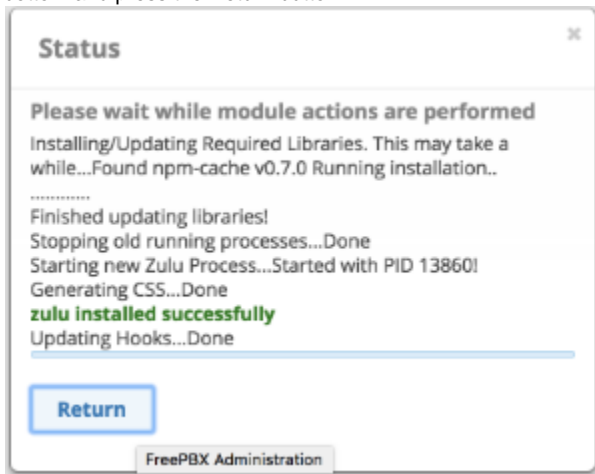


- A list of all modules being updated will be presented. Scroll down to the bottom Confirm button it have it now download and install the module updates.

- **Queues Pro 13.0.26.11** will be upgraded to online version **13.0.27**
- **WebRTC Phone 14.0.3.5** will be upgraded to online version **14.0.3.6**
- **XMPP 14.0.1.4** will be upgraded to online version **14.0.1.8**
- **Zulu 14.0.2.12** will be upgraded to online version **14.0.2.13**

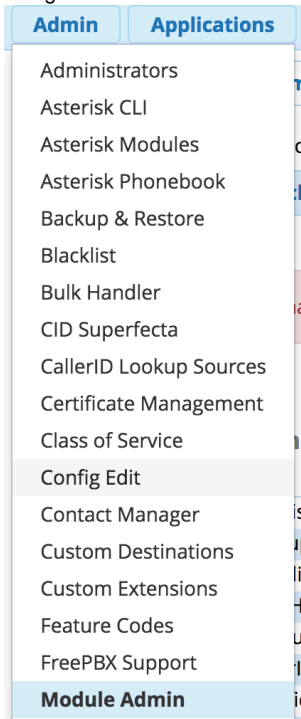


- A dialogue box will pop up and show the status as it downloads and installs each module update. Once completed scroll to the bottom and press the Return button

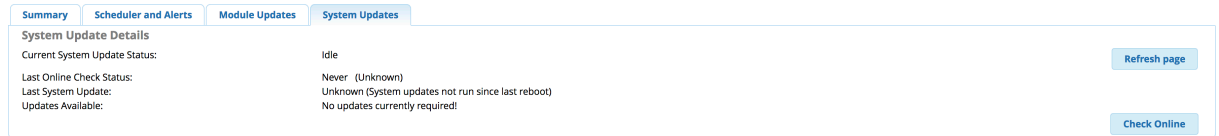


- Update Linux RPMs including Asterisk

- Navigate to Module Admin section of your PBX GUI



- Click on the System Updates tab at the top and press the Check Online button



- Install all updates shown
- Reboot your box System Admin module in your PBX