Dedicated Asterisk PBX server on Red Hat 9 Install guide.

The purpose of this guide is not to teach you how to install and configure Red Hat, It is assumed that you are already familiar with the installation process of Red Hat Linux.

Pre-Requisites

- 1. Red Hat Linux 9 Installation CD's.
- 2. A PC -Preferably P2 350+ with 64+MB RAM and a 2GB+ HDD.(Remember to backup any important data)
- 3. Internet Access to download the source code.

Red Hat Linux 9 Installation Procedure

- 1. Boot the PC of the "Red Hat Linux 9 installation CD 1", proceed through the installation by selecting installation language, keyboard and mouse settings.
- 2. If an existing Red Hat installation is detected on the PC you will see the following screen, Select the option to "Perform a new Red Hat Linux Installation", If its a clean hard drive skip to the next step.



3. Choose "Custom" installation.



4. Configure your Disk Partitioning, Boot Loader and Network Configuration to what your system and network require.

5. On the firewall set-up screen select 'No Firewall'.



- 6. Configure the Language, Time Zone, Root Password and Authentication Settings for your system.
- 7. In the package group selection screen scroll all the way to the bottom and select 'Minimal Installation' and the option to 'Select Individual Packages'.



8. On the Individual Packages screen select 'Flat View''.

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Individual Package			- dSum		10	100
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fou can choose to view the			ac-archive		1	
dew or flat view			12 act		1	
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Tree view allows you to see the packages grouped by application type. Flat view allows you to see all of the packages in an alphabetical listing which will appear on the right of the			alchemist		1	
			alchemist-devel		-1	
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screen.			am-utils		1	
Jsing Tree view, you will see a	Total install siz	a: 475M	Select p	li în graup	gratien at in	irei
Isong or package groups. When you expand this list and wick one group, the list of Packages in that group will appear in the panel on the right.	Package: bison Version: 1.35 Bison is a general purpose parser generator that converts a grammar description for an LALRAL context-free grammar into a C program to parse that grammar. Bison can be used to develop a wide range of language parsers, from ones used in simple the used to develop a wide range of language parsers, from ones used in simple					

- 9. Scroll through the list and select the following packages.
 - bison
 - cvs
 - gcc
 - kernel-source
 - libtermcap-devel
 - newt-devel
 - ncurses-devel
 - openssl096b
 - openssl-devel
 - readline41
 - readline-devel
- 10. The following screen will show the required dependency packages, Click <next> to install the required packages and <next> again to start the installation.

					redhat.
Online Help	(15)	Unreported De	pendencies		
Unrecolved	*	Package	Reparement		
Unresolved Dependencies Many software packages depend on other packages or libraries in order to work correctly. To make sure your system has all the packages i needs in order to work, the installation program checks these package dependencies each time you install or remov a package. If one package requires another package than has not been installed, unresolved dependencies exit One or more packages you have selected have unresolve dependencies. You can resolve dependencies.	t st.	openssi-devel gcc gcc gcc gibtc-devel	Int5-devel binutis cop glibc-devel glibc-k-embeaders		
Packages to Satisfy Dependencies, You can also choose not to install any		○ Do not insta ○ Ignore pack	Il packages that have dependencies age dependencies		otal install size: 716M
Hide Help	1			4 Back	🕸 Next

- 11. Once complete you have the option to create a boot disk.
- 12. Complete the installation, the CD will automatically be ejected, and finally click the exit button to reboot the server.

Asterisk PBX Installation procedure

 Login as root and run the following commands.(The ~ means a comment which is not part of the command line.) # cd /usr/src

export CVSROOT=:pserver:anoncvs@cvs.digium.com:/usr/cvsroot
cvs login
Logging in to :pserver:anoncvs@cvs.digium.com:2401/usr/cvsroot
CVS password: ~ password is 'anoncvs'' (without the quotes)
cvs checkout zaptel libpri asterisk

- 2. All the source code is downloaded to the /usr/src directory on your hard drive.
- 3. To compile the source code, Run the following commands.

#cd zaptel	
#make install	~ Approx 1 Min
#cd/libpri	
#make install	~ Less than 1 Min
#cd/asterisk	
#make install	~ Approx 10 Mins depending on processor
#make samples	~ Less than 1 Min

If all has gone well you should now have Asterisk compiled and ready to run.

All that is now required is for you to configure your telephony hardware and the asterisk configuration files that are located in /etc/asterisk.

If you would like to have the init scripts installed so that the Zaptel hardware will be loaded automatically at boot time the run the following.

#cd /usr/src/zaptel #make config

To check that your hardware is correctly loaded and for diagnostics use "ztcfg -v" or "zttool".

<u>Resources</u> <u>http://www.asterisk.org</u> <u>http://www.digium.com</u>

Credits

Thanks to the helpful people on the asterisk-users mailing list for all their help.

Send any feedback or comments to wipeout@linuxmail.org