

## 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

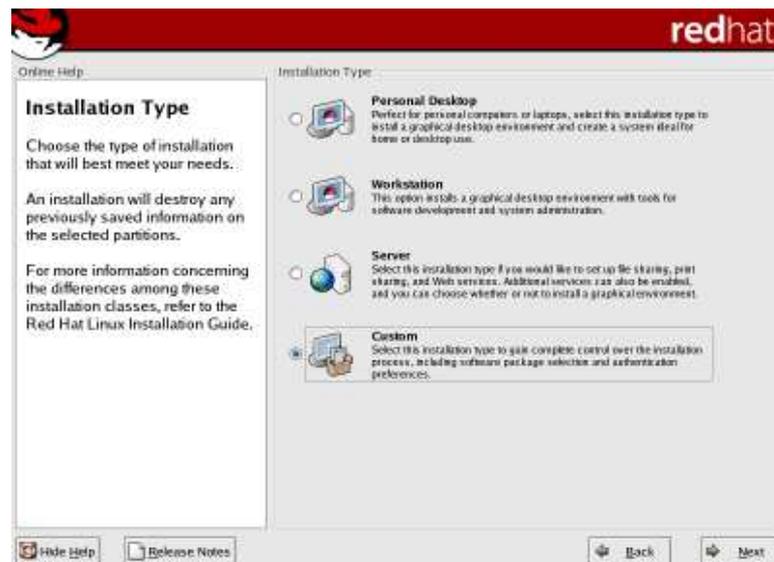
1. Red Hat Linux 9 Installation CD's.
2. A PC -Preferably P2 350+ with 64+MB RAM and a 2GB+ HDD.(Remember to backup any important data)
3. Internet Access to download the source code.

### 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.

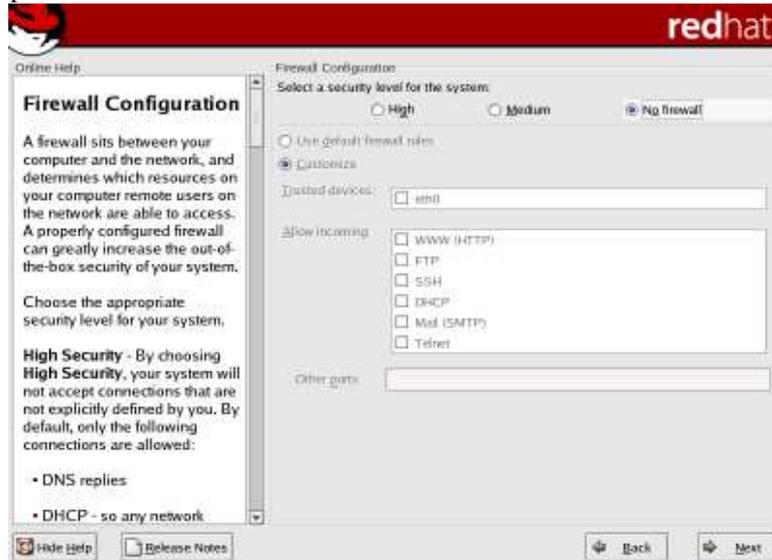


3. Choose “Custom” installation.

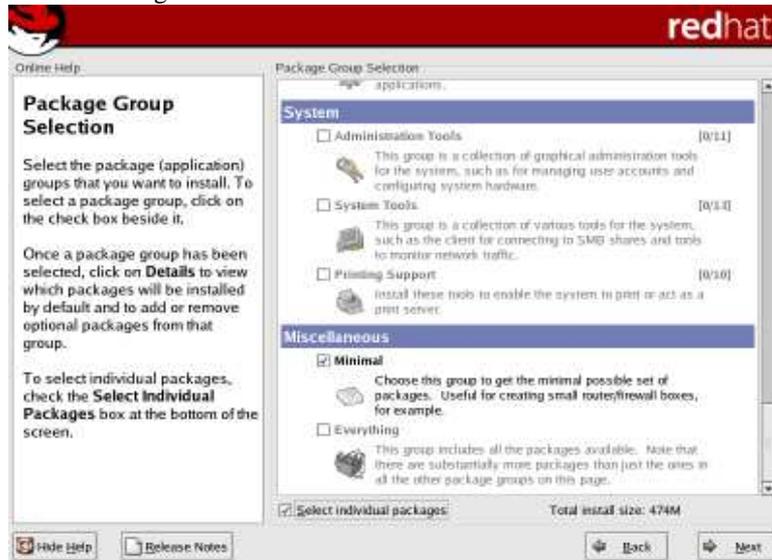


4. Configure your Disk Partitioning, Boot Loader and Network Configuration to what your system and network require.

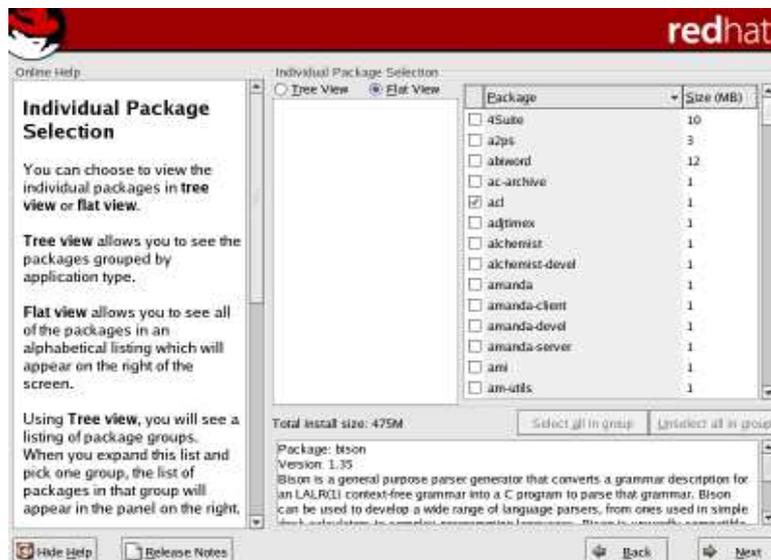
5. On the firewall set-up screen select 'No Firewall'.



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'.



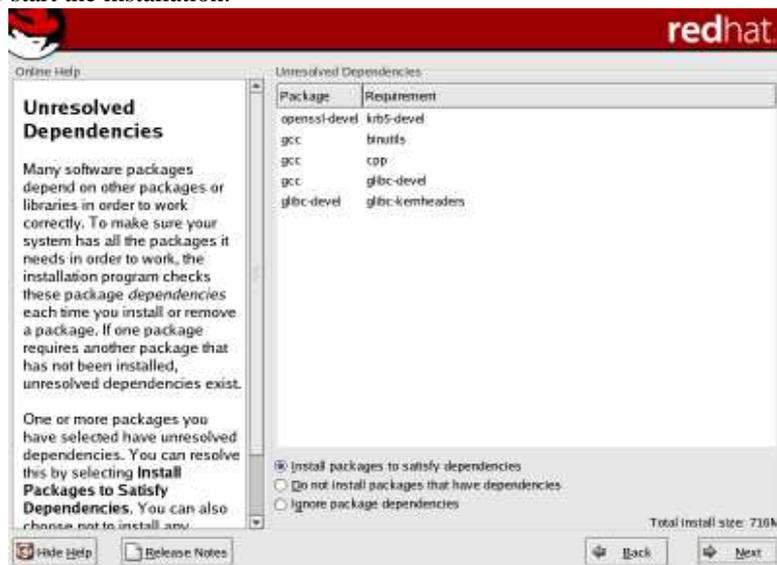
8. On the Individual Packages screen select 'Flat View'.



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.



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

1. 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”.

#### Resources

<http://www.asterisk.org>

<http://www.digium.com>

#### 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](mailto:wipeout@linuxmail.org)