

CONFIGURING YOUR CONEXANT HSF WINMODEM WITH SUSE LINUX 8.x



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In this white paper we will discuss how to setup the Conexant Linmodem for SuSE Linux 8.x. This technique works with SuSE Linux 8.x SuSE Linux Enterprise Server as well as SuSE Linux Desktop. For Linux I suggest the Conexant Modem series. Conexant Modems by far are the best and most stable and the best supported Winmodems under Linux, as well as the easiest to setup.

OBTAINING PACKAGES

To obtain the Conexant modems for Linux you must download them from the Linuxant Site (See reference at the bottom of this document for the URL) You can either obtain the source code file or the RPM. If you obtain the RPM you must match the distribution, running kernel exactly. For example the RPM package for SuSE Linux would be

```
hsflinmodem-5.03.27Inxtbeta03042700k2.4.19_4GB-1suse.i586.rpm
```

For SuSE Linux 8.1. The source package doesnt matter because it will build on all systems, for the source package install you must have your kernel source packages installed.

INSTALLING PACKAGES

to install the packages you must be root.

****SPECIAL NOTE****

You must have the root password. If you do not have the root password see your system administrator.

to install the rpm type the following

```
rpm -ivh hsflinmodem-5.03.27Inxtbeta03042700k2.4.19_4GB-1suse.i586.rpm
```

after you install the rpm package type the following

```
hsfconfig
```

use the default answers to the driver configuration answers.

To install the source package follow these steps:

```
tar -zxvf hsflinmodem-5.03.27Inxtbeta03042700.tar.gz
```

cd to the directory that was uncompressed and type the following:

```
make install
```

After installation type:

```
hsfconfig
```

and once again use the default answers to the questions asked.

CONFIGURING PPP FOR SUSE LINUX 8.0

To configure PPP for SuSE Linux 8.0 use the KPPP application. hit ALT-F2 and type KPPP once the application opens up, hit setup and setup your accounts using the wizard setups, disregard DNS and IP settings for Dial Up connections to the Internet. After the accounts are setup click on the Device tab and click on the speed and increase it to 115200, also make sure that you are using the /dev/modem setting. Next click on the Modem tab on the top and hit Query Modem, this will tell you exactly if you installed it correctly. If you are networking via TCP/IP with another computer you must provide the DNS and IP information.

CONFIGURING PPP FOR SUSE LINUX 8.1 & 8.2

To configure PPP for SuSE Linux 8.1 and 8.2 it is different from SuSE Linux 8.2. For these versions of SuSE Linux you will use YaST to setup PPP and Kinternet to dial into the internet. Open YaST and click on Network/Basic and double click on Modem Configuration. When it gets done detecting modems hit Configure on the Top dialog box under Modems to Configure PPP.

*** WARNING ***

In the box it will say ' other (not detected) ' this does not mean Driver configuration failed, proceed with setup

Once the Dialog appears that says Modem Parameters make sure /dev/modem appears in the box. Next determine if you want Modem speakers on or off and determine if you need a dialing prefix such as *70 to disable call waiting. Next, hit Details, change the Baud rate from 57600 to 115200. DO NOT ALTER YOUR MODEM INIT STRINGS UNLESS YOU KNOW WHAT YOU ARE DOING Click on okay and close the dialog box and click on Next. Now configure your provider click on the country you live in and scroll down the list and choose your provider, hit next and enter your provider name, dial in number and Username and Password. click on next and change idle to 600 instead of 300. To configure for TCP/IP Networking choose custom on the provider list and, set up the Username and Password as well as the phone number, click on Next and enter your DNS and IP information. finish up and hit ALT-F2 and type Kinternet, when Kinternet appears in the taskbar, it looks like a plug right click on Kinternet and go up to interface, click PP0 and now go to provider and choose your provider,

CONCLUSION

When all that's complete you are ready to dial into the web.

Reference Websites

<http://www.linuxant.com/>

<http://www.linmodems.org/>