

## Installation Asterisk

### Anpassen der Etch Installation:

```
# apt-get install ssh pciutils kernel-package bison bzip2 screen ntpdate  
libncurses-dev less cvs subversion apache2 php5 libxml2-dev libtiff4-dev mysql-  
server mysql-client libmysqlclient15-dev php-pear php5-mysql php5-gd openssl  
curl sox autoconf automake g++ libssl-dev libosp-dev alsa bc libasound-dev  
libopenh323-dev php-db flex capiutils libcap20-dev libcurl3-dev
```

### Software besorgen:

```
# cd /usr/src  
# wget http://zaphfc.florz.dyndns.org/zaphfc_0.4.0-test1_florz-13.diff.gz  
# wget http://mirror.freepbx.org/freepbx-2.3.0.tar.gz  
# wget http://www.junghanns.net/downloads/bristuff-0.4.0-test4.tar.gz  
# wget http://www.kernel.org/pub/linux/kernel/v2.6/linux-2.6.22.6.tar.bz2  
# wget http://downloads.digium.com/pub/asterisk/releases/asterisk-  
addons-1.4.2.tar.gz  
# wget http://www.soft-switch.org/downloads/spandsp/spandsp-0.0.4pre8.tgz
```

### Kernel bauen:

```
# cd /usr/src  
# ln -s linux-2.6.22.6 linux  
# ln -s linux-2.6.22.6 linux-2.6  
# cd linux  
# cp /boot/config-2.6.18-4-486 .config  
# make menuconfig  
# make-kpkg -initrd kernel_image  
# cd .. && dpkg -i linux-image-2.6.22.6  
# reboot
```

### Bristuff download und patch:

```
# cd /usr/src  
# tar xzf bristuff-0.4.0-test4.tar.gz  
# cd bristuff-0.4.0-test4  
# ./download.sh
```

### Spandsp installieren:

```
# cd /usr/src  
# tar xzf spandsp-0.0.4pre8.tgz  
# cd spandsp-0.0.4  
# ./configure --prefix=/usr  
# make  
# make install
```

### für's Fax:

```
# cd /usr/src/bristuff-0.4.0-test4/asterisk/apps
```

**patching asterisk mit spandsp:**

```
# wget http://www.soft-switch.org/downloads/snapshots/spandsp/test-apps-
asterisk-1.4/app_rxfax.c
# wget http://www.soft-switch.org/downloads/snapshots/spandsp/test-apps-
asterisk-1.4/app_txfax.c
# wget http://www.soft-switch.org/downloads/snapshots/spandsp/test-apps-
asterisk-1.4/asterisk.patch

# wget http://www.sems.org/content/download/asterisk/app_nv_faxdetect-1.0.6_1.c
# wget
http://www.sems.org/content/download/asterisk/app_nv_backgrounddetect-1.0.6_1.c
```

```
#
# cd ..
# cat asterisk.patch | patch -p0
```

**Patching configure.ac macht Probleme.**

Nach Zeile 200 in der Datei configure.ac folgendes einfügen:

```
AST_EXT_LIB_SETUP([SPANDSP], [spandsp Library], [spandsp])
```

( Abfolge der Eingaben: # vim configure.ac<Enter> :200<Enter>i

```
AST_EXT_LIB_SETUP([SPANDSP], [spandsp Library], [spandsp])<Enter><ESC>:x<Enter> )
```

```
# ./bootstrap.sh
```

```
# cd ..
```

**asterisk kompilieren und installieren**

```
# ./compile.sh
```

```
# cd asterisk
```

**checken ob alle applikationen aktiv sind**

```
# make menuselect
```

x zum beenden und speichern

**wenn geändert:**

```
# make && make install
```

**asterisk-addons**

```
# cd /usr/src
```

```
# tar xzf asterisk-addons-1.4.2.tar.gz
```

```
# cd asterisk-addons-1.4.2
```

```
# ./configure
```

```
# make menuselect
```

```
# make
```

```
# make install
```

**florz patch einspielen**

```
# cd /usr/src/bristuff-0.4.0-test4/zaphfc/
```

```
# zcat ../../zaphfc_0.4.0-test1_florz-13.diff.gz | patch -p1
```

```
# make
```

```
# make install
```

```
# depmod -a
```