

Installation Freepbx

freepbx installieren:

```
# cd /usr/src/freepbx-2.3.0/
# groupadd asterisk
# useradd -c "asterisk PBX" -d /var/lib/asterisk -g asterisk asterisk
# mysqladmin -u root password 'asterisk'
# mysqladmin create asteriskcdrdb -p
Enter password:
# mysql --user=root --password='asterisk' asteriskcdrdb< /usr/src/freepbx-2.3.0/SQL/cdr_mysql_table.sql
# mysqladmin create asterisk -p
Enter password:
# mysql --user root --password'asterisk' asterisk < /usr/src/freepbx-2.3.0/SQL/newinstall.sql

# mysql --user root -p
```

Password:

```
mysql> GRANT ALL PRIVILEGES ON asteriskcdrdb.* TO asteriskuser@localhost IDENTIFIED BY 'amp109';
Query OK, 0 rows affected (0.00 sec)
mysql> GRANT ALL PRIVILEGES ON asterisk.* TO asteriskuser@localhost IDENTIFIED BY 'amp109';
Query OK, 0 rows affected (0.00 sec)
mysql> quit
```

Checken ob asterisk startet:

```
#asterisk -vvvc
```

```
CLI> stop now
```

Installation von freepbx funktioniert nur bei gestartetem Asterisk

```
# asterisk
# ./install_amp
Checking for PEAR DB..OK
Checking for PEAR Console::Getopt..OK
Checking user..OK
Checking if Asterisk is running..running with PID: 3931..OK
Checking for /etc/ampportal.conf../etc/ampportal.conf does not exist, copying default
Creating new /etc/ampportal.conf
Enter your USERNAME to connect to the 'asterisk' database:
[asteriskuser]
Enter your PASSWORD to connect to the 'asterisk' database:
[amp109]
Enter the hostname of the 'asterisk' database:
[localhost]
Enter a USERNAME to connect to the Asterisk Manager interface:
[admin]
Enter a PASSWORD to connect to the Asterisk Manager interface:
[amp111]
Enter the path to use for your AMP web root:
[/var/www/html]

Created /var/www/html
Enter the IP ADDRESS or hostname used to access the AMP web-admin:
[xx.xx.xx.xx] 192.168.21.128
Enter a PASSWORD to perform call transfers with the Flash Operator Panel:
[passw0rd] pass
Use simple Extensions [extensions] admin or separate Devices and Users [deviceanduser]?
[extensions]
Enter directory in which to store AMP executable scripts:
[/var/lib/asterisk/bin]
Created /var/lib/asterisk/bin
Enter directory in which to store super-user scripts:
[/usr/local/sbin]
```

```
<---Snip--->
Module successfully installed
installed
Please update your modules and reload Asterisk by visiting http://192.168.21.128/admin
```

```
*****
* Note: It's possible that if you click the red 'Update Now' bar BEFORE *
* updating your modules, your machine will start dropping calls. Ensure *
* that all modules are up to date BEFORE YOU CLICK THE RED BAR. As long *
* as this is observed, your machine will be fully functional whilst the *
* upgrade is in progress. *
*****
```

Apache konfigurieren:

Der apache sollte für freepbx unter dem Nutzer asterisk und der Gruppe asterisk laufen. Sinnvoll ist es, apache nur für bestimmte IP-Adressen oder auf einer dedizierten Netzwerkkarte horchen zu lassen.

In Zeile 125 der Datei /etc/apache2/apache2.conf folgende Zeilen

```
User www-data
Group www-data
```

ändern in:

```
User asterisk
Group asterisk
```

Jetzt passen wir noch das Verzeichnis an. In der Datei /etc/apache2/sites-enabled/000-default folgenden Teil ersetzen

```
DocumentRoot /var/www/
<Directory />
    Options FollowSymLinks
    AllowOverride None
</Directory>
<Directory /var/www/>
    Options Indexes FollowSymLinks MultiViews
    AllowOverride None
    Order allow,deny
    allow from all
    # This directive allows us to have apache2's default start page
    # in /apache2-default/, but still have / go to the right place
    RedirectMatch ^/$ /apache2-default/
</Directory>
```

durch:

```
DocumentRoot /var/www/html
<Directory />
    Options FollowSymLinks
    AllowOverride None
</Directory>
<Directory /var/www/html>
    Options Indexes FollowSymLinks MultiViews
    AllowOverride None
    Order allow,deny
    allow from all
</Directory>
```

und apache neu starten

```
# /etc/init.d/apache2 restart
```