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How to install Asterisk2billing v1.2.3 in Trixbox v2.2

This document details the process for installing Asterisk2billing version 1.2.3 in Trixbox version 2.2. Trixbox v2.2 no longer has a2billing installed by default, and I wasn't able to find it in the package manager, so it needs to be installed manually.

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Download latest A2B tar file

Go to <http://www.asterisk2billing.org> and scroll to the bottom. There will be a link for downloading the latest version. I typically prefer to use wget, but I wasn't able to figure out the direct link to the file as the web page uses php to grab it. So I downloaded it to my local computer (which has an FTP server) and then FTP'd the file to /usr/src of my Linux box.

Once the file has been downloaded, open your Linux CLI and do the following:

```
cd /usr/src
mkdir a2billing
mv Asterisk2Billing_release_Chameleon_v1_2_3.tar.gz a2billing
(substitute filename with latest version's filename)
cd a2billing
tar zxvf Asterisk2Billing_release_Chameleon_v1_2_3.tar.gz
ls -la
```

You should now see a 'trunk' directory...it has been successfully extracted, and it is now time to start the upgrade.

Create the database

```
cd /usr/src/a2billing/trunk/DataBase/mysql/Mysql-3.x_4.x
mysql -u root -ppassw0rd < a2billing-MYSQL-createdb-user.sql (this
assumes your mysql root password is the default 'passw0rd.')
mysql -u root -ppassw0rd mya2billing < a2billing-mysql-schema-
MYSQL.3.X-4.X_v1.2.3.sql
```

Done! Your a2b v1.2.3 database has been created!

Install HTTP UI

The following commands will install the web UI.

Administration console:

```
cd /var/www/html
mkdir a2billing
chown -R asterisk: a2billing
cd a2billing
cp -r /usr/src/a2billing/trunk/A2Billing_UI/. .
```

User console:

```
cd /var/www/html
mkdir a2customer
chown -R asterisk: a2customer
cd a2customer
cp -r /usr/src/a2billing/trunk/A2BCustomer_UI/. .
```

Install AGI

The AGI files are how a2b speaks to Asterisk/Trixbox. They consist of the `libs_a2billing` directory and the `a2billing.php` file.

```
cd /var/lib/asterisk/agi-bin
cp /usr/src/a2billing/trunk/A2Billing_AGI/a2billing.php .
cp -r /usr/src/a2billing/trunk/A2Billing_AGI/libs_a2billing .
chown asterisk: a2billing.php
chown -R asterisk: libs_a2billing
```

Install a2billing.conf file

```
cd /etc/asterisk
mv a2billing.conf a2billing_old.conf (for some reason, the a2billing.conf
file still exists in Trixbox v2.2, so let's back it up).
cp /usr/src/a2billing/trunk/a2billing.conf .
chown asterisk: a2billing.conf
```

Change database type from postgres to mysql

```
nano /etc/asterisk/a2billing.conf
```

In [database] section, change:

```
dbtype=postgres
```

```
;dbtype=mysql
```

To:

```
;dbtype=postgres
```

```
dbtype=mysql
```

CTRL+X to exit nano, and then Y when asked to save.

Log into A2B

Open `http://<asterisk IP>/a2billing` in a browser.

Default username and password are: admin / mypassword

All done! I would recommend changing your admin password immediately for security.

Go to Administrator --> Show Administrator. Click 'Edit' to the left of the admin login and change the password field to the new password. Do the same for the root user.

That's it!

For a good step-by-step document on setting up a2billing from here, see <http://www.sureteq.com/asterisk/a2bv1.2.3.htm>.



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