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Tribox 2.6.2.3

A2Billing 1.3.4

CentOS Linux 5.3

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A2Billing\_1.3.4.tar.gz

[http://www.asterisk2billing.org/download...g\\_1.3.4.tar.gz](http://www.asterisk2billing.org/download...g_1.3.4.tar.gz)

PHP-PNCTL

<http://dfn.dl.sourceforge.net/source...2.5.1.i386.rpm>

????

// ?? php-pcntl

```
#>rpm -ivh php-pcntl-4.3.11-2.5.1.i386.rpm
```

Tips:

If you want to enable pcntl on Elastix 1.6.x, following these steps:

```
#>yum install php-devel
#>cd /usr/src
#>wget http://museum.php.net/php5/php-5.1.6.tar.gz
#>tar -xzf php-5.1.6.tar.gz
#>cd php-5.1.6/ext/pcntl
#>phpize
#>./configure
#>make
#cp modules/pcntl.so /usr/lib/php/modules
#echo "extension=pcntl.so" > /etc/php.d/pcntl.ini
#service httpd restart
```

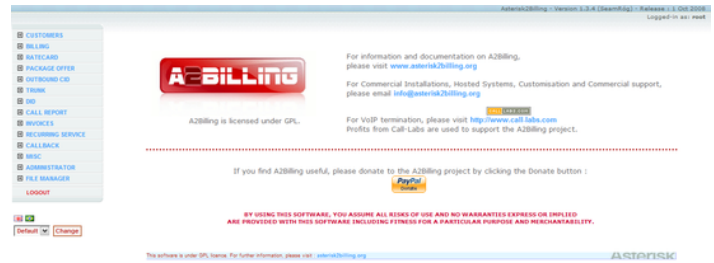
how to enable pcntl on php5

<http://centos.org/modules/newbb/view...forumpost83973>

// ??????

```
#>mkdir a2billing_install
```

```
#>tar -xzf A2Billing_1.3.4.tar.gz -C a2billing_install
```



```
// ?? A2Billing ???
```

```
#>cd a2billing_install/DataBase/mysql/Mysql-5.x/
#>echo "GRANT ALL PRIVILEGES ON *.* TO 'a2billinguser'@'localhost' IDENTIFIED BY 'a2billing' WITH
GRANT OPTION;" | mysql -uroot -ppassw0rd
#>mysqladmin create mya2billing -u a2billinguser -pa2billing
#>mysql -ua2billinguser -pa2billing mya2billing < a2billing-mysql-schema-MYSQL.5.X-v1.3.0.sql
```

```
// ?? Web UI
```

```
#>cd ../
#>cd ../
#>cd ../
#>cp -a A2Billing_UI/ /var/www/html
#>cp -a A2BCustomer_UI/ /var/www/html
```

```
// ?? A2Billing ???
```

```
#>cp a2billing.conf /etc/asterisk
```

```
// ?? AGI
```

```
#>cd A2Billing_AGI
#>cp -a a2billing.php libs_a2billing/ /var/lib/asterisk/agi-bin
```

```
// ??????
```

```
#>cd ../
#>cp -a addons/sounds/* /var/lib/asterisk/sounds/
```

```
// ?? IAX ? SIP conf ?
```

```
#>cd /etc/asterisk
#>touch additional_a2billing_iax.conf
#>touch additional_a2billing_sip.conf
#>touch extensions_a2billing.conf
```

```
// ??????
```

```
#>chmod 664 /etc/asterisk/a2billing.conf
#>chmod 664 /etc/asterisk/additional_a2billing_iax.conf
#>chmod 664 /etc/asterisk/additional_a2billing_sip.conf
#>chmod 664 /etc/asterisk/extensions_a2billing.conf
```

```
#>chown -R asterisk:asterisk /etc/asterisk/*
#>chown -R asterisk:asterisk /var/www/html/*
```

```
#>chown -R asterisk:asterisk /var/lib/asterisk/*
```

```
// ?? A2Billing.conf
```

```
#>vi /etc/asterisk/a2billing.conf
```

```
[database]
```

```
hostname = localhost
```

```
port = 5432
```

```
user = a2billinguser
```

```
password = a2billing
```

```
dbname = mya2billing
```

```
;dbtype = postgres
```

```
dbtype = mysql
```

```
; MANAGER CONNECTION PARAMETERS
```

```
manager_host = localhost
```

```
manager_username = a2billinguser
```

```
manager_secret = a2billing
```

```
// ?? Asterisk Manager Interface
```

```
#>vi /etc/asterisk/manager_custom.conf
```

```
[a2billinguser]
```

```
secret=a2billing
```

```
deny=0.0.0.0
```

```
permit=127.0.0.1/255.255.255.0
```

```
read=system,call,log,verbose,command,agent,user
```

```
write=system,call,log,verbose,command,agent,user
```

```
// Include ???
```

```
#>vi /etc/asterisk/sip.conf
```

```
;for A2Billing
```

```
#include additional_a2billing_sip.conf
```

```
#>vi /etc/asterisk/iax.conf
```

```
;for A2Billing
```

```
#include additional_a2billing_iax.conf
```

```
#>vi /etc/asterisk/extensions_custom.conf
```

```
#include extensions_hud.conf
```

```
;for A2Billing
```

```
#include extensions_a2billing.conf
```

// ?? A2Billing Context

#>vi /etc/asterisk/extensions\_a2billing.conf

[a2billing]

exten => \_X.,1,Answer

exten => \_X.,n,Wait(1)

exten => \_X.,n,DeadAGI(a2billing.php|1)

exten => \_X.,n,Hangup

??a2billing.php ??? 1????? a2billing.conf ? [agi-conf1] ??????? AGI ?????? agi-conf2 ?????? (a2billing.php|2)?

?? Asterisk ?????????????

?? A2Billing UI

????????? [http://10.10.10.104/A2Billing\\_UI/???????root](http://10.10.10.104/A2Billing_UI/???????root), ???myroot

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- [A2Billing ??? Elastix](#)
- [A2Billing ??? PIAF](#)

- [A2Billing 1.9.4 & Asterisk 1.8](#)

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- [Installation of A2Billing on Trixbox](#)
- [Asterisk 1.6 & A2Billing 1.7.0 CentOS Install](#)