

Steps for setting up Alpine Miner in Postgres database server

A. Install Postgres so on Linux System

Follow the steps below to set up Alpine Miner in Postgres database server on Linux System. It is assumed that Postgres database is already installed.

1. Change datestyle as bellow in configure file postgresql.conf in Postgres data directory.
`datestyle = 'iso, mdy'`

2. Copy the setup/Postgres folder with its content onto the Postgres database host. (e.g. /home/postgres/setup/Postgres). The Postgres database administrator must possess the ownership of the setup directory and all the content in it. Issue the chown command as root user to reassign the ownership if necessary. For example:

```
chown -R postgres /home/postgres/setup
```

3. Login to the system as Postgres database administrator (e.g. postgres) on the Postgres database master host.

```
su postgres
```

4. Change to the setup/Postgres directory

```
cd /home/postgres/setup/Postgres
```

5. Run Alpine Miner installer file

```
sh alpine_miner_pg_installer.bin
```

Please follow the steps:

- 1) Accept license agreement

```
*****
Do you accept the Alpine Miner license agreement? [yes | no]
*****
(Or, type v to view the full license text.):
```

- 2) Input Postgres install path

```
*****
Alpine Miner Installer has detected Postgres installation
path: /opt/postgres/8.4

Provide the installation path for Postgres Database
or press ENTER to accept the default
*****
Postgres installation path:
```

- 3) Input Postgres lib path to copy alpine_miner.so to

```

*****
Path /opt/postgres/8.4/lib/postgresql is the Postgres lib path to copy alpine_miner.so to? (y/n)
Provide the path of Postgres lib to copy alpine_miner.so to
or press ENTER to accept the default
*****
Postgres lib path:

```

- 4) If alpine_miner.so exists, choose whether overriding

```

Copying sharedLib/alpine_miner.suse_64bit.so to /opt/postgres/8.4/lib/postgresql/alpine_miner.so
*****
File /opt/postgres/8.4/lib/postgresql/alpine_miner.so exists, override? (y/n)
*****
Answer [y]:

```

- 5) Choose database to install functions

```

*****
Provide the Postgres Database name
or press ENTER to accept the default: template1
*****
Database name [template1]:

```

- 6) Choose database port

```

*****
Provide the Postgres Database port
or press ENTER to accept the default: 5432
*****
port [5432]:

```

- 7) Choose if install Alpine Miner demo database

```

*****
Would you like to install Alpine Miner demo database? (y/n)
*****
Answer [y]: y

```

6. Modify the pg_hba.conf file. Add the following lines to the end.


```

local miner_demo miner_demo trust
host miner_demo miner_demo 192.168.1.0/24 password

```

B. Install Postgres DLL on Windows System

Follow the steps below to set up Alpine Miner in Postgres database server on Windows System. It is assumed that Postgres database is already installed.

1. Change datestyle as bellow in configure file postgresql.conf in Postgres data directory.


```
datestyle = 'iso, mdy'
```
2. Copy the setup/Postgres folder with its content onto the Postgres database host.
3. Change to the setup/Postgres directory, for example


```
cd C:\setup\Postgres
```
4. Run Alpine Miner installer file in command prompt as administrator:


```
alpine_miner_pg_installer_windows.bat
```

```
C:\setup\Postgres>alpine_miner_pg_installer_windows.bat
```

5. Then input some Postgres database server information. Please follow the steps:

1) Input Postgres installation path

```
Please input postgres installation path:D:\Program Files\PostgreSQL\8.4
```

2) Provide database port

```
Provide the port number or press ENTER to accept the default: 5432
```

3) Provide database name

```
Provide the Postgres Database name or press ENTER to accept the default: template1
```

4) Provide user name

```
Provide the Postgres username or press ENTER to accept the default: postgres
```

5) Choose if install Alpine Miner demo database

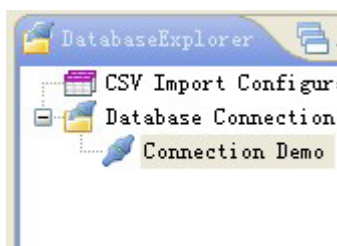
```
Would you like to install Alpine Miner demo database? <y/n> y
```

6. Modify the pg_hba.conf file. Add the following lines to the end.

```
local miner_demo miner_demo trust
host miner_demo miner_demo 192.168.1.0/24 password
```

C. Configure Alpine Miner Connection

1. Open the Alpine Miner, open the 'Database Connection' from the Analytic Explorer and double-click the connection 'Connection Demo' to open the 'Database Connection' dialog.



2. Fill in the correct parameters for the connection. Most of the parameters have already been filled for the user.

- **Connection Name:** Connection Demo
- **Database Engine:** Postgres
- **Host:** <IP to the Postgres Master>
- **Port:** <Port no. used in the Postgres DB, default: 5432>
- **Database Name:** miner_demo
- **User Name:** miner_demo

- **Password:** miner_demo

New Database connection

Database Connection: Connection Demo

Database Engine: PostgreSQL

JDBC Path: Browser...

Host: 127.0.0.1

Port: 5432

Database Name: miner_demo

Username: miner_demo

Password: *****

Test Connection

Finish Cancel

3. Click on the 'Test Connection' button to test the connection.
4. Click the 'Finish' button if connection can be established.