

# Alpine Miner Installation Guide

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## *Install for Greenplum Database (server-side install)*

Follow the steps below to set up Alpine Miner for Greenplum Database. The setup instructions assume that Greenplum Database is already installed and running.

1. Copy the setup/Greenplum folder with its content onto the Greenplum database master host [e.g. /home/gpadmin/setup/Greenplum]. The Greenplum database administrator must possess the ownership of the setup directory and all the content in it. Issue the chown command to reassign the ownership if necessary.

```
# chown -R gpadmin /home/gpadmin/setup/Greenplum
```

2. Log in to the system as the Greenplum database administrator [e.g. gpadmin] on the Greenplum database master host.

```
# su gpadmin
```

3. Navigate to the setup/Greenplum directory

```
$ cd /home/gpadmin/setup/Greenplum
```

4. Run the Alpine Miner installer [alpine\_miner\_gp\_installer.bin]

```
$ sh alpine_miner_gp_installer.bin
```

- a. Read and accept the license agreement.

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

- b. Specify the Greenplum installation path. The setup will place the required shared library in the \$GPHOME/lib/postgres/ directory.

```
*****
Alpine Miner Installer has detected GreenPlum installation
path: /usr/local/greenplum-db/.

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

- c. Specify if the installer should copy the shared library to the segment hosts. Enter 'y' for multi-node clusters.

```

*****
Greenplum installation path:
Copying sharedLib/4.1/alpine_miner.centos_64bit.so to /usr/local/greenplum-db/./
lib/postgresql/alpine_miner.so
*****
Copy shared library to segment hosts? (y/n)
*****
Answer [y]: █

```

- d. Enter the full path to the file containing the segment host names.
- e. Specify the default database to install the Alpine functions.

```

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

```

- f. Specify the port on which the Greenplum database is running.

```

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

```

- g. Specify if you would like to create the Alpine Miner demo database.

```

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

```

5. Modify the pg\_hba.conf file to allow users access to the appropriate databases. Using the miner\_demo database as an example, add the following lines to the end of pg\_hba.conf:

```

local miner_demo    miner_demo    trust
host    miner_demo    miner_demo    192.168.1.0/24 password

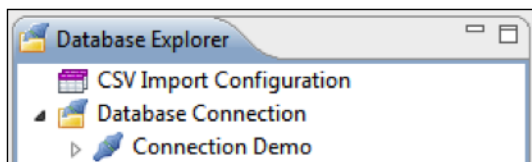
```

6. Reload the Greenplum database to activate the changes made in the configuration file.

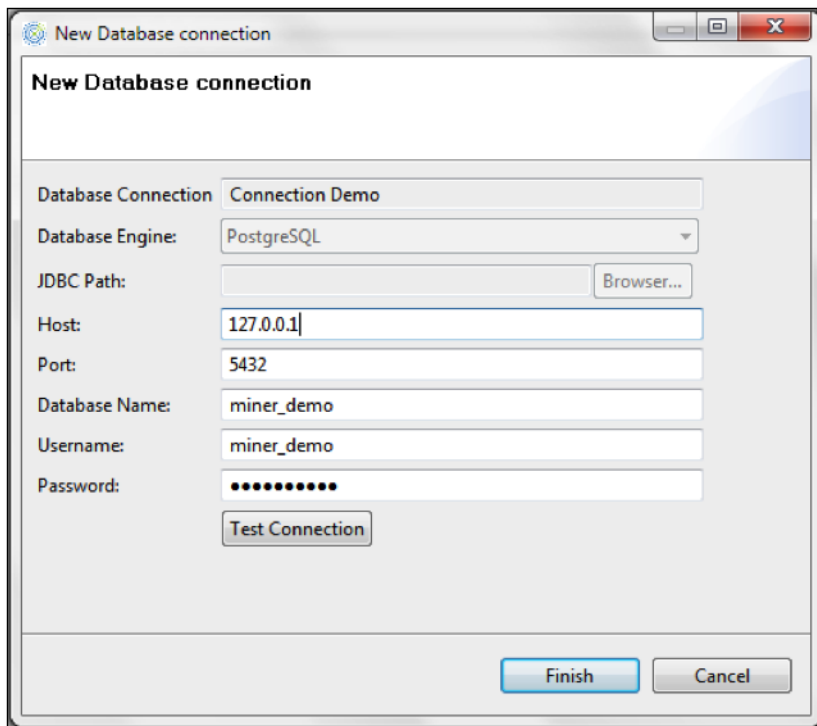
```
$ gpstop -u
```

### *Install for Alpine Miner (client-side setup)*

1. Unzip the Alpine Miner client package and double click on the Alpine Miner application. On first run enter your license information or use trial.
2. In Alpine Miner, right-click 'Connection Demo' in the Database Explorer and select open.



3. Specify the appropriate parameters for connection to the Greenplum database. A sample configuration is shown below. (username: miner\_demo / password: miner\_demo)



4. Confirm the connection settings by clicking the 'Test Connection' button then 'Finish' when the connection is established.
5. If you installed the demo database, you can now run the sample Analytic Flows located in the Analysis Explorer. Refer to the Alpine Miner user guide for more information about creating and running Analytic Flows with Alpine Miner.

### *Upgrade Alpine Miner on Greenplum Database*

To upgrade Alpine Miner, simply follow the installation procedure outlined above. When prompted to overwrite the existing shared library (alpine\_miner.so), enter 'y' to update the shared library to the current version.

### *Upgrade Alpine Miner Client*

To upgrade the Alpine Miner client, simply follow the installation procedure outlined above. A single client can concurrently maintain multiple versions of Alpine Miner. Each version's Analytic Flows and other configuration settings will be stored in a directory (named alpineworkspace2.x for the corresponding version) in the user's home directory. Flows can be exported from older versions and imported into the newer version. To permanently remove an older version, follow the uninstallation instructions below.

### *Uninstall from Greenplum Database*

Follow the steps below to uninstall Alpine Miner from Greenplum Database.

1. Run alpine\_miner\_uninstall\_functions.sql on each database containing the Alpine Miner functions.

```
$ psql -d template1 -f alpine_miner_uninstall_functions.sql
```

2. Remove the shared library, alpine\_miner.so from the database master and segment hosts.

```
$ rm $GPHOME/lib/postgresql/alpine_miner.so
```

### *Uninstall Alpine Miner Client*

To remove the Alpine Miner client, follow the steps below.

1. Delete the Alpine Miner application directory. This is the directory containing AlpineMiner.exe [Windows] or AlpineMiner.app [OS X].
2. If you wish to remove the Alpine Miner configuration files, including saved Analytic Flows and Database Connections, remove the alpineworkspace2.x directory from your home directory.