

Steps for setting up Alpine Miner in Oracle database server

A. Linux System

Follow the steps below to set up Alpine Miner in Oracle database server on linux system. It is assumed that Oracle database is already installed.

1. Copy Alpine Miner Oracle setup folder (setup/Oracle) to Oracle database host. The Oracle 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 oracle /home/oracle/alpine_miner/setup/Oracle
```

2. Login to the system as Oracle database administrator (e.g. oracle) on the Oracle database host.
3. Change to the setup/Oracle directory
4. `chmod 777 alpine_miner_setup_oracle_linux.sh`
5. run command:

```
./alpine_miner_setup_oracle_linux.sh
```

(run command `alpine_miner_setup_oracle_10g_linux.sh` for Oracle 10g)

Then input some Oracle database server information. For example:

```
oracle@mdw:~/setup/oracle> ./alpine_miner_setup_oracle_linux.sh
Please input oracle home:/home/oracle/app/oracle/product/11.2.0/dbhome_1/
Please input hostname or ip address:192.168.1.230
Please input port number:1521
Please input database name:orcl
Please input username:miner_demo
Please input password:miner_demo

SQL*Plus: Release 11.2.0.1.0 Production on Fri Mar 11 17:42:30 2011
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Connected to:
Oracle Database 11g Enterprise Edition Release 11.2.0.1.0 - 64bit Production
With the Partitioning, OLAP, Data Mining and Real Application Testing options

SQL> SQL> 2 3 4 5 6 7 8 9 10 11 12
Function created.
```

B. Windows System

Follow the steps below to set up Alpine Miner in Oracle database server in windows system. It is assumed that Oracle database is already installed.

1. Copy the Oracle setup folder (setup/Oracle) with its content onto the Oracle database host.
2. Change to the setup/Oracle directory
3. Run command:

alpine_miner_setup_oracle_windows.bat

(run command alpine_miner_setup_oracle_windows.bat for Oracle 10g)

Then input some Oracle database server information. For example:

```
D:\AlpineMiner2.0\AlpineMiner_Rel1.3.0\setup\Oracle>alpine_miner_setup_oracle_windows.bat
Please input oracle home:E:\app\Administrator\product\11.2.0\dbhome_1
Please input hostname or ip address:192.168.1.230
Please input port number:1521
Please input database:orcl
Please input username:miner_demo
Please input password:miner_demo

SQL*Plus: Release 11.2.0.1.0 Production on Fri Mar 11 18:15:11 2011

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With the Partitioning, OLAP, Data Mining and Real Application Testing options

SQL> SQL> 2 3 4 5 6 7 8 9 10 11 12
Function created.
```

Steps for setting up Alpine Miner database for samples

Follow the steps below to set up the Alpine Miner demo database. The Alpine Miner demo database is required to run the samples. It is assumed that Oracle database is already installed.

1. Execute the following command. (Assume that oracle is the Oracle DBA account and the environment variable ORACLE_SID has been set)

```
sqlplus oracle/password as SYSDBA < oracle_sample_db.sql
```

The command will run the oracle_sample_db.sql script and will create a user 'miner_demo' and assign all database object to the user 'miner_demo'

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

3. 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: Oracle

JDBC Path: browse oracle jdbc driver jar file

Host: <IP to the Oracle>

Port: <Port no. used in the Grenplumn DB, default: 1521>

Database Name: orcl

User Name: miner_demo

Password: miner_demo

4. Click on the 'Test Connection' button to test the connection.

5. Click the 'Finish' button if connection can be established.

The screenshot shows a 'New Database connection' dialog box. The title bar says 'New Database connection'. Inside the dialog, the title 'New Database connection' is repeated. The fields are as follows:

- Database Connection: demo_oracle
- Database Engine: Oracle (dropdown menu)
- JDBC Path: D:\Work\JDBC\Oracle\ojdbc6.jar (with a 'Browser...' button next to it)
- Host: 127.0.0.1
- Port: 1521
- Database Name: orcl
- Username: miner_demo
- Password: masked with 10 dots

At the bottom of the dialog, there is a 'Test Connection' button, and at the very bottom, 'Finish' and 'Cancel' buttons.