Arnamoy's website

Search this site

Swagatam... > My Blogs >

How To Install and Run CVSAnaly2 in Ubuntu 11.10

posted Mar 6, 2012, 8:49 PM by arnamoy bhattacharyya
[updated Mar 6, 2012, 8:51 PM]

CVSAnaly is an awesome tool to create mysql databases automatically from git repositories.
Requirements:
*RepositoryHandler
* cvs (optional, for CVS support)
* subversion (optional, for SVN support)
* git (optional, for Git support)
* Python MySQLDB
* Python SQLite (optional)

RepositoryHandler

from command line, type - git clone git://git.libresoft.es/git/repositoryhandler
This will create a directory called "repositoryhandler" in the directory from which you typed the command. I did it from my homepage.

Then go inside the directory repositoryhandler and tyoe the following
python setup.py install

Then add the following line in the .bashrc file (located in your home directory, its hidden, so you have to check "view hidden files" option from nautilus.

export PYTHONPATH=$PYTHONPATH:<path to repositoryhandler>
In my case, it was -

export PYTHONPATH=$PYTHONPATH:$HOME/reposit

In this site

Quote of the Day

The biggest difference between time and space is that you can't reuse time.

Python MySQLDB

In the command line type - sudo apt-get install python-mysqldb
If any username and/ or password is required, give them

CVSAnaly

Now you need to install cvsanaly. First use the following command from anywhere. (I did it from my home directory, same as repositoryhandler)

git clone git://git.libresoft.es/git/cvsanaly
This will create a cvsanaly directory from the folder you ran the command (in my case, home)

"cd" to the cvsanaly directory and run the following command -

python setup.py install

Python setuptool

You might need to install python setuptool to use cvsanaly. Download the .egg file compatible with your python version from here (python --version)

http://pypi.python.org/pypi/setuptools#files

Then run the following command -
sudo sh <egg-file>

My version of python was 2.7 and I downloaded the .egg file in my home directory. So from my home directory, I ran the following -

sudo sh setuptools-0.6c11-py2.7.egg

If I have not mistaken anything, you are good to go.

Download any repository (lets say postgresql) by the following command-

git clone git://git.postgresql.org /git/postgresql.git

This will create a directory named inside the directory from where you ran git clone (in my case, home directory)

Run the following command
cvsanaly2 -u root -p **** (where **** is your mysql password)

But you should get an error saying that you have to create a database named "cvsanaly"

Run the following command to log into mysql

mysql -u root -p
It will ask for your password, give it.

create a database called cvsanaly using the following command;

create database cvsanaly;
exit

Then again go inside the postgresql folder and type -

cvsanaly2 -u root -p **** (where **** is your mysql password)

If everything goes ok, you will get an output like this

Parsing log for /home/arnie/postgresql (git)
Executing extensions

Then log into mysql again using -

mysql -u root -p cvsanaly

Give the password when asked

Then see the tables created -

show tables;

The output will be something like the following -

```
mysql> show tables;
+--------------------+
| Tables_in_cvsanaly |
+--------------------+
| action_files       |
| actions            |
| actions_file_names |
| branches           |
| file_copies        |
| file_links         |
| files              |
| people             |
| repositories       |
```

```
| scmlog            |
| tag_revisions     |
| tags              |
+-------------------+
12 rows in set (0.00 sec)
```

Voala...That's it. Your databse is ready for Mining.

Post here if you have any comments.

Comments

You do not have permission to add comments.