

Creating Virtual Environments for different Tryton installations

Created by Ivan (capiscuas@gmail.com)

Description

Due that the auroville modules had an installation file dependent for Tryton2.4 and the latest stable Tryton was already 2.6, I decided to create 3 different virtual environments in 3 different folders.

~/workspace/tryton2.4/ -> Tryton2.4 with old auroville modules and the health module(not supported yet Nov 2012 for 2.6)

~/workspace/tryton2.6/ -> Tryton2.6 to migrate the auroville modules and continue development

~/workspace/tryton2.7/ -> Tryton2.7 Development code , to check the latest features and be able to improve/send patches to the main Tryton project.

The following script will create the different environment depending on the variable **version**.

[trytond.conf](#) (attachment)

Bash code

```
#!/bin/bash
version=2.4 #you can choose from 2.4,2.6 or 2.7
#In case you want to work with 2.6, delete the trytond_health module (from modules folder and local/lib/python2.7/site-packages/ folder)
sudo apt-get -y --force-yes install python-setuptools python-pip libxml2-dev libxslt1-dev python-gtk2 python-dev

#choose which backend to use, for testing go for sqlite
#sudo apt-get -y install libpq-dev #postgresql
sudo apt-get -y install sqlite3 libsqlite3-dev # sqlite

sudo apt-get install python-virtualenv python-tz python-lxml python-relatorio python-polib

mkdir -p ~/workspace/tryton$version/db
mkdir -p ~/workspace/tryton/log
cp trytond.conf ~/workspace/tryton$version/ #Download trytond.conf from the attachment.
cd ~/workspace/tryton$version
virtualenv --system-site-packages env
source env/bin/activate
ln -s env/lib/$(/usr/bin/pyversions -d)/site-packages/trytond/modules .
if [ "$version" = "2.4" ]
then
    pip install http://downloads2.tryton.org/2.4/tryton-2.4.2.tar.gz
    pip install http://downloads2.tryton.org/2.4/trytond-2.4.3.tar.gz
    pip install http://downloads2.tryton.org/2.4/trytond_account-2.4.3.tar.gz
    pip install http://downloads2.tryton.org/2.4/trytond_company-2.4.0.tar.gz
    pip install http://downloads2.tryton.org/2.4/trytond_country-2.4.0.tar.gz
    pip install http://downloads2.tryton.org/2.4/trytond_currency-2.4.0.tar.gz
    pip install http://downloads2.tryton.org/2.4/trytond_product-2.4.1.tar.gz
    #Copy the auroville modules into the modules folder

elif [ "$version" = "2.6" ]
then
    pip install http://downloads2.tryton.org/2.6/tryton-2.6.1.tar.gz
    pip install http://downloads2.tryton.org/2.6/trytond-2.6.2.tar.gz
    pip install http://downloads2.tryton.org/2.6/trytond_country-2.6.0.tar.gz
    pip install http://downloads2.tryton.org/2.6/trytond_party-2.6.0.tar.gz
    pip install http://downloads2.tryton.org/2.6/trytond_company-2.6.1.tar.gz
    pip install http://downloads2.tryton.org/2.6/trytond_currency-2.6.1.tar.gz
    pip install http://downloads2.tryton.org/2.6/trytond_account-2.6.2.tar.gz
    pip install http://downloads2.tryton.org/2.6/trytond_country-2.6.0.tar.gz
    pip install http://downloads2.tryton.org/2.6/trytond_product-2.6.0.tar.gz

elif [ "$version" = "2.7" ] #from Mercurial repository
then
    #Read this http://code.google.com/p/tryton/wiki/HowtoContribute
    #http://code.google.com/p/tryton/wiki/InstallationMercurial
```

```

sudo apt-get install mercurial
hg clone http://hg.tryton.org/tryton/
#Download the mercurial extensions
#Get the hgnested from trunk (mercurial)
mkdir downloads
cd downloads
hg clone https://code.google.com/p/hgnested/

pip install --upgrade hgreview
cat<<EOF >> ~/.hgrc
[extensions]
hgnested = ~/workspace/tryton2.7/downloads/hgnested-trunk/hgnested
hgreview =
[review]
server = http://codereview.tryton.org
send_email = True
EOF
cd ~/workspace/tryton$version/
hg nclone http://hg.tryton.org/trytond/
#Install Tryton and Trytond in virtual environment
cd ~/workspace/tryton$version/tryton/
python setup.py install
cd ~/workspace/tryton$version/trytond/
python setup.py install
ln -s env/local/lib/python2.7/site-packages/trytond-2.7.0-py2.7.egg/trytond/modules .
else
echo 'Wrong Version number'
exit 1
fi
touch db/tryton.sqlite #the db file needs to exist to initialize it
trytond -c trytond.conf -d tryton --init=all #Initialize all the current modules of trytond
#we create some launcher trytond/tryton at the same time
cat<<EOF > tryton.sh
#!/bin/bash
source env/bin/activate
trytond -c trytond.conf &
tryton
killall trytond
EOF
chmod +x ~/workspace/tryton$version/tryton.sh
mkdir -p ~/.config/tryton/$version/
cat<<EOF > ~/.config/tryton/$version/profiles.cfg
[DEFAULT]
port = 8000
[local]
host = localhost
port = 8000
database = tryton
username = admin
EOF
exit 0

```

If you want to use different Trytond(server) instances at the same time, you should change the PORT number at the **tytrond.conf** file.