

OpenGTS sur Debian

Notes d'installation. Pour tout commentaire ou suggestions, [contactez-moi](#).

1) Installation de paquets requis:

```
sudo apt install openjdk-7-jdk tomcat7 tomcat7-common libmail-java libmysql-  
java apache2 php5 mysql-server libmysql-java wget unzip ant ufw
```

Attention: bien noter le mot de passe SQL (\$SQL_PASSWORD), devra être utilisé plus bas

2) Dans /etc/environment mettre:

```
GTS_HOME=/usr/local/gts  
JAVA_HOME=./usr/lib/jvm/java-7-openjdk-amd64  
CATALINA_HOME=/usr/share/tomcat7  
ANT_HOME=/usr/bin/ant
```

et reboot ou

```
echo ANT_HOME=/usr/bin/ant >> /etc/environment  
echo GTS_HOME=/usr/local/gts >> /etc/environment  
echo "JAVA_HOME=$(dirname $(dirname $(readlink -f $(which javac))))" >>  
/etc/environment  
echo CATALINA_HOME=/usr/share/tomcat7 >> /etc/environment
```

reboot 3) Liens symboliques pour lib Java, Tomcat et Java

```
sudo ln -s /usr/share/java/mysql-connector-java.jar /usr/lib/jvm/java-7-  
openjdk-amd64/jre/lib/ext/mysql-connector-java.jar  
sudo ln -s /usr/share/java/javax.mail.jar /usr/lib/jvm/java-7-openjdk-  
amd64/jre/lib/ext/javax.mail.jar  
sudo ln -s $JAVA_HOME /usr/local/java  
sudo ln -s $CATALINA_HOME /usr/local/tomcat
```

4) Téléchargement et compilation

```
wget  
[http://downloads.sourceforge.net/project/opengts/server-base/2.6.3/OpenGTS_2.  
6.3.zip]  
sudo unzip OpenGTS_2.6.3.zip -d /usr/local  
sudo ln -s &nbsp;/usr/local/OpenGTS_2.6.3/ /usr/local/gts  
cd /usr/local/gts  
ant all
```

4.1) Vérifier l'installation

```
$ bin/checkInstall.sh
```

Exemple de sortie:

```
** Found 1 Error(s)!
*****
*****
1) Tomcat contains non-'caadmin' owned file(s)
   [Reason: Some files in the Tomcat folder are not owned by 'caadmin']
   [Fix: Run 'chown -R caadmin:caadmin $CATALINA_HOME' to set the
directory/file
   ownership]
*****
*****
-- Found 5 Warning(s):
1) Memory below recommended value
2) Optional '*mail.jar.jar' not found. (required for JavaMail support)
3) MySQL port may be accessible over Internet/Intranet!
4) Symbolic Link does not exist: /usr/local/java
5) Symbolic Link does not exist, or is invalid: /usr/local/tomcat
-- Recommendations:
- Highly recommend increasing memory to at least 4096 Mb for a production
environment.
- Recommend closing MySQL port if external access is not required.
- Recommend creating /usr/local/java symbolic link to point to $JAVA_HOME:

ln -s /usr/lib/jvm/java-7-openjdk-amd64 /usr/local/java

- Recommend creating /usr/local/tomcat symbolic link to point to
$CATALINA_HOME:

ln -s /usr/share/tomcat7 /usr/local/tomcat
```

5) Chargement de la BD

```
bin/initdb.sh \-rootUser=<rootUser> \-rootPass=<rootPass>
```

(utiliser root et \$SQL_PASSWORD)

Exemple de sortie:

```
$ bin/initdb.sh -rootUser=root -rootPass=XXXXXXXXXXXXXXXXXXXXX
Version: 2.6.3
Database created: gts
Privileges granted to user: gts
Validating table columns ...
```

```
-----  
Table 'Account'          --- Creating table ...  
Table 'AccountString'   --- Creating table ...  
Table 'User'            --- Creating table ...  
Table 'UserAcl'         --- Creating table ...  
Table 'GroupList'       --- Creating table ...  
Table 'Device'          --- Creating table ...  
Table 'Transport'       --- Creating table ...  
Table 'UniqueXID'       --- Creating table ...  
Table 'DeviceGroup'     --- Creating table ...  
Table 'DeviceList'      --- Creating table ...  
Table 'Driver'          --- Creating table ...  
Table 'EventData'       --- Creating table ...  
Table 'Geozone'         --- Creating table ...  
Table 'Resource'        --- Creating table ...  
Table 'Role'            --- Creating table ...  
Table 'RoleAcl'         --- Creating table ...  
Table 'StatusCode'      --- Creating table ...  
Table 'SystemProps'     --- Creating table ...  
Table 'EventTemplate'   --- Creating table ...  
Table 'PendingPacket'   --- Creating table ...  
Table 'Property'        --- Creating table ...  
Table 'Diagnostic'      --- Creating table ...  
-----
```

Column validation completed successfully.

```
-----  
Updating GTS Version: 2.6.3  
Updating DMTP Version: 1.3.6  
-----
```

6) Bloquer le port MySQL de l'extérieur - à faire

7) Optionnel: configurer le courriel

7.1) aller dans custom.conf mettre les paramètres

7.2) Tester avec:

```
/bin/checkInstall.sh -sendMail myemailaddress@example.com
```

8) Création du compte admin

```
/bin/admin.sh Account \-account=sysadmin \-pass=XXXXXXXXXXXXXXXXX \-create
```

```
Entry Point: org.opengts.db.tables.Account  
Created Account-ID: sysadmin
```

9) Finaliser:

ant track

Copier track.war à /var/lib/tomcat7/webapps/

```
sudo cp build/track.war /var/lib/tomcat7/webapps/  
sudo cp build/events.war /var/lib/tomcat7/webapps/  
sudo service tomcat7 restart
```

NOTES:

Pour vérifier l'emplacement de TomCat: # /usr/share/tomcat7/bin/catalina.sh version

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