OpenArchaeo : documentation d’installation

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| **Historique des versions** | | | |
| **Version** | **Date** | **Auteur** | **Modifications** |
| 1 | 11/2018 | Thomas Francart | *Installation initiale* |

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# Serveur

* serveur : [openarchaeo.huma-num.fr](http://openarchaeo.huma-num.fr/) ou [cchum-kvm-openarchaeo.in2p3.fr](http://cchum-kvm-openarchaeo.in2p3.fr/)
* login : tfrancart
* sudo su -

# Installation des prérequis : Java, etc.

apt install default-jdk

java -version

apt install unzip

apt install curl

# Installation de GraphDB

## Transfert des fichiers

scp graphdb-free-8.6.1-dist.zip tfrancart@openarchaeo.huma-num.fr:graphdb-free-8.6.1-dist.zip

## Unzip

cp graphdb-free-8.6.1-dist.zip /usr/local/

cd /usr/local/

unzip graphdb-free-8.6.1-dist.zip

ln -s graphdb-free-8.6.1 graphdb

cd graphdb/bin

chmod 755 \*

## Lancement en ligne de commande

/usr/local/graphdb/bin/graphdb -d -Xmx3000M -Xms2000M -Dgraphdb.logger.root.level=DEBUG

## Test d’accès

curl --header "Accept: text/html" [http://localhost:7200](http://localhost:7200/)

## Ajouter un user graphdb

useradd graphdb

passwd graphdb (graphdb)

## Créer le fichier de service /etc/systemd/system/graphdb.service

[Unit]

Description=GraphDB

After=network-online.target

[Service]

Environment=GRAPHDB\_HOME=/usr/local/graphdb

Type=simple

# User=graphdb

# ne pas mettre le flag -d ici !!!!

ExecStart=/usr/local/graphdb/bin/graphdb -Xmx3000M -Xms2000M

Restart=on-abort

TimeoutStopSec=60

[Install]

WantedBy=multi-user.target

## Ajouter le service

systemctl enable graphdb.service

## Start/Stop

systemctl start graphdb.service

systemctl stop graphdb.service

# Installation et paramétrage d’Apache

apt install apache2

a2enmod proxy

a2enmod proxy\_http

a2enmod headers

systemctl restart apache2

## Création d’un VirtualHost pour GraphDB

cd /etc/apache2/sites-available

cp 000-default.conf openarchaeo-graphdb.conf

vi openarchaeo-graphdb.conf

Ajout du ServerName et de la redirection :

ProxyPass / http://localhost:7200/

ProxyPassReverse / http://localhost:7200/

a2ensite openarchaeo-graphdb

systemctl reload apache2

## Création d’un VirtualHost pour les applis OpenArchaeo

cd /etc/apache2/sites-available

cp 000-default.conf openarchaeo.conf

vi openarchaeo.conf

# création des path /explorateur et /federation

## Installation de l’application

## Installation de Tomcat

apt install tomcat8

## Création de la home de l’application

Cd /var/lib/tomcat8

mkdir openarchaeo

## Ajout des propriétés de lancement à tomcat

vi /etc/default/tomcat8

JAVA\_OPTS="$JAVA\_OPTS -Xmx2500M -Xms1800M"

JAVA\_OPTS="$JAVA\_OPTS -Dext.directory.federation=/var/lib/tomcat8/openarchaeo/config-openarchaeo/federation -Dext.directory.explorateur=/var/lib/tomcat8/openarchaeo/config-openarchaeo/explorateur"

## Création de la home de l’application et assignation des droits à tomcat

mkdir /var/lib/tomcat8/openarchaeo/lucene

chown -R tomcat8 /var/lib/tomcat8/openarchaeo

## Transfert des fichiers de l’appli sur le serveur et de la config

# la config

cp -r config-openarchaeo-dev config-openarchaeo

cp -r config-openarchaeo-prod/\* config-openarchaeo

rm -rf config-openarchaeo.zip

zip -r config-openarchaeo config-openarchaeo

rm -rf config-openarchaeo

# transfert de tout ça

scp config-openarchaeo.zip explorateur/target/explorateur-1.0-SNAPSHOT.war federation/target/federation-1.0-SNAPSHOT.war tfrancart@openarchaeo.huma-num.fr:~

# deploiement de la config

ssh -t tfrancart@openarchaeo.huma-num.fr 'sudo bash -c "\

rm -rf /var/lib/tomcat8/openarchaeo/config-openarchaeo.bak;\

mv /var/lib/tomcat8/openarchaeo/config-openarchaeo /var/lib/tomcat8/openarchaeo/config-openarchaeo.bak;\

unzip /home/tfrancart/config-openarchaeo.zip -d /var/lib/tomcat8/openarchaeo;\

rm -rf /var/lib/tomcat8/webapps/explorateur.war /var/lib/tomcat8/webapps/federation.war;\

rm -rf /var/lib/tomcat8/webapps/explorateur /var/lib/tomcat8/webapps/federation;\

cp /home/tfrancart/explorateur-1.0-SNAPSHOT.war /var/lib/tomcat8/webapps/explorateur.war;\

cp /home/tfrancart/federation-1.0-SNAPSHOT.war /var/lib/tomcat8/webapps/federation.war;\

service tomcat8 restart"'