

Apache Guacamole

source : <https://www.linode.com/docs/guides/installing-apache-guacamole-on-ubuntu-and-debian/>

1. Prés-requis

Installation des dépendances :

```
# apt install build-essential libcairo2-dev \  
libpng-dev libtool-bin libossp-uuid-dev libvncserver-dev \  
freerdp2-dev libssh2-1-dev libtelnet-dev libwebsockets-dev \  
libpulse-dev libvorbis-dev libwebp-dev libssl-dev \  
libpango1.0-dev libswscale-dev libavcodec-dev libavutil-dev \  
libavformat-dev
```

2. Installation du serveur

Téléchargement du paquet :

```
# wget  
https://downloads.apache.org/guacamole/1.3.0/source/guacamole-server-1.3  
.0.tar.gz  
# tar -xvf guacamole-server-1.3.0.tar.gz  
# cd guacamole-server-1.3.0
```

```
# ./configure --with-init-dir=/etc/init.d  
--enable-allow-freerdp-snapshots  
# make  
# make install
```

On recharge le système :

```
# ldconfig  
# systemctl daemon-reload  
  
# systemctl start guacd  
# systemctl enable guacd
```

On crée le répertoire de configuration de guacamole :

```
mkdir -p /etc/guacamole/{extensions,lib}
```

3. Installation de l'appli web

Installation des paquets :

```
# apt install tomcat9 tomcat9-admin tomcat9-common tomcat9-user
```

Téléchargement de l'app:

```
# wget  
https://downloads.apache.org/guacamole/1.3.0/binary/guacamole-1.3.0.war
```

On déplace l'app vers le répertoire web :

```
# mv guacamole-1.3.0.war /var/lib/tomcat9/webapps/guacamole.war
```

On redémarre les services :

```
# systemctl restart tomcat9 guacd
```

4. Installation de la BDD

On télécharge les extension :

```
# wget  
https://dev.mysql.com/get/Downloads/Connector-J/mysql-connector-java-8.0  
.26.tar.gz  
# tar -xf mysql-connector-java-8.0.26.tar.gz  
# cp mysql-connector-java-8.0.26/mysql-connector-java-8.0.26.jar  
/etc/guacamole/lib/
```

```
# wget  
https://downloads.apache.org/guacamole/1.3.0/binary/guacamole-auth-jdbc-  
1.3.0.tar.gz  
# tar -xf guacamole-auth-jdbc-1.3.0.tar.gz  
# mv guacamole-auth-jdbc-1.3.0/mysql/guacamole-auth-jdbc-mysql-1.3.0.jar  
/etc/guacamole/extensions/
```

Création de la bdd:

```
CREATE DATABASE guacamole_db;  
CREATE USER 'guacamole_user'@'localhost' IDENTIFIED BY 'password';  
GRANT SELECT,INSERT,UPDATE,DELETE ON guacamole_db.* TO  
'guacamole_user'@'localhost';
```

```
FLUSH PRIVILEGES;
```

Importation de la bdd :

```
# cat guacamole-auth-jdbc-1.3.0/mysql/schema/*.sql | mysql -u <user> -p  
guacamole_db
```

Configuration :

/etc/guacamole/guacamole.properties

```
# MySQL properties  
mysql-hostname: 127.0.0.1  
mysql-port: 3306  
mysql-database: guacamole_db  
mysql-username: guacamole_user  
mysql-password: <password>
```

On redémarre les services :

```
# systemctl restart tomcat9 tomcat9 guacd mysql
```

Accès à l'interface : *<ip>:8080/guacamole*