

Guacamole: X11VNC

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Guacamole est une application Web HTML5 qui permet d'accéder à un bureau à l'aide de protocoles de bureau à distance. Un serveur centralisé agit comme un tunnel et un proxy, permettant d'accéder à plusieurs bureaux via un navigateur Web. pas de plugins nécessaires. Le client ne nécessite rien de plus qu'un navigateur Web prenant en charge HTML5 et AJAX.

Installer des paquets

```
sudo aptitude install guacamole-tomcat
sudo aptitude install libguac-client-ssh0 libguac-client-rdp0
cd /etc/guacamole
sudo cp user-mapping.xml user-mapping.xml.orig
```

Modifier le fichier user-mapping.xml

user-mapping.xml

```
<user-mapping>
  <!-- Utilisateur avec une seule connexion -->
  <authorize username="USERNAME" password="PASSWORD">
    <protocol>vnc</protocol>
    <param name="hostname">localhost</param>
    <param name="port">5900</param>
    <param name="password">VNCPASS</param>
  </authorize>
  <!-- Un autre utilisateur, mais utilisant md5 pour hacher le mot de
  passe
      (l'exemple ci-dessous utilise le hash md5 de "PASSWORD"),
      Et fournissant deux connexions -->
  <authorize
    username="USERNAME2"
```

```
password="319f4d26e3c536b5dd871bb2c52e3178"
encoding="md5">
  <connection name="VNC Desktop 1">
    <protocol>vnc</protocol>
    <param name="hostname">localhost</param>
    <param name="port">5901</param>
    <param name="password">VNCPASS</param>
  </connection>
  <connection name="VNC Desktop 2">
    <protocol>vnc</protocol>
    <param name="hostname">localhost</param>
    <param name="port">5902</param>
    <param name="password">VNCPASS</param>
  </connection>
<connection name="RDP Desktop">
  <protocol>rdp</protocol>
  <param name="hostname">localhost</param>
  <param name="port">3389</param>
  <param name="domain"></param>
  <param name="username"></param>
  <param name="password"></param>
  <!-- <param name="initial-program">explorer.exe</param> -->
  <param name="color-depth">32</param><!-- 8,16,24 or 32 -->
  <param name="width">1024</param>
  <param name="height">768</param>
</connection>
  <connection name="Unique Name">
    <protocol>ssh</protocol>
    <param name="hostname">localhost</param>
    <param name="port">22</param>
  </connection>
</authorize>
</user-mapping>
```

Générer le mot de passe md5

```
echo -n 'PASSWORD' | md5sum
```

Redémarrer le démon Guacamole

```
sudo service guacd restart
```

Installer le serveur VNC sur le client Guacamole

```
sudo aptitude install vnc4server
```

Lancer la VM avec un mot de passe vnc

```
kvm image -vnc ${dpy},password -monitor stdio  
(qemu) set_password vnc password
```

guacamole.properties

```
# Guacamole - Clientless Remote Desktop  
# Copyright (C) 2010 Michael Jumper  
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#  
# You should have received a copy of the GNU Affero General Public  
License  
# along with this program. If not, see <http://www.gnu.org/licenses/>.  
# Hostname and port of guacamole proxy  
guacd-hostname: localhost  
guacd-port: 4822  
# Auth provider class (authenticates user/pass combination, needed if using  
the provided login screen)  
auth-provider:  
net.sourceforge.guacamole.net.basic.BasicFileAuthenticationProvider  
basic-user-mapping: /etc/guacamole/user-mapping.xml
```

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