Rechner-Fernzugriff

von MS Windows® (Client) auf Ubuntu (Server)

Xming - Einzelne Programme (Fenster) auf den Windows Desktop holen

Quelle(n):

- http://laptops.eng.uci.edu/software-installation/using-linux/how-to-configure-xming-putty
- https://wiki.ubuntuusers.de/Xming/

Remote Desktop I - Eine sehr simple Lösung

Quelle(n):

- https://askubuntu.com/questions/592537/can-i-access-ubuntu-from-windows-remotely
- http://www.technig.com/remote-access-windows-10-via-ubuntu-vise-versa/

Umsetzung:

```
sudo apt-get update
sudo apt-get install xrdp
sudo apt-get install xfce4
echo "xfce4-session" >~/.xsession
sudo nano /etc/xrdp/startwm.sh
#!/bin/sh
if [ -r /etc/default/locale ]; then
. /etc/default/locale
export LANG LANGUAGE
fi
startxfce4
```

```
sudo service xrdp restart
```

Remote Desktop II - Eine bessere Lösung

UPDATE - 14.03.2018



Diese Version unterstützt u.A. die Verwendung der Zwischenablage Quelle siehe unten - jedoch von mir ergänzt und um die richtige Erkennung der verwendeten Ubuntu LTS Version erweitert.

Quelle(n):

- http://c-nergy.be/blog/?p=10752 SEHR WICHTIG!
- http://c-nergy.be/blog/?p=11719 **UPDATE**

Umsetzung:

install-xrdp-1.9.2.sh

```
#!/bin/bash
#
# Script Name : install-xrdp-1.9.2.sh
# Description : Perform an automated custom installation of xrdp
# on ubuntu 16.04.4
# Date : March 2018
# written by : Griffon
# Web Site :http://www.c-nergy.be - http://www.c-nergy.be/blog
# Version : 1.9.2
# Disclaimer : Script provided AS IS. Use it at your own risk....
#____
                                          ----#
# Step 0 - Try to Detect Ubuntu Version and Unity....
#----
                                            ---#
clear
#Checking Ubuntu Version
echo
/bin/echo -e
/bin/echo -e "\e[1;32m Dectecting Ubuntu Version and Desktop in
use...\e[0m"
/bin/echo -e
version=$(lsb release -d | awk -F":" '/Description/ {print $2}')
if [[ $version=*"Ubuntu 16.04"* ]]; then
echo
/bin/echo -e "\e[1;33m Ubuntu Version :$version\e[0m"
```

```
else
/bin/echo -e
/bin/echo -e "\e[1;31mYour system is not running Ubuntu 16.04
Edition.\e[0m"
/bin/echo -e "\e[1;31mThe script has been tested only on Ubuntu
16.04.x...\e[Om"
/bin/echo -e "\e[1;31mThe script is exiting...\e[0m"
/bin/echo -e
echo
exit
fi
#Checking if Unity Desktop in Use
if [ "$XDG CURRENT DESKTOP"="Unity" ]
then
/bin/echo -e "\e[1;33m Desktop interface Detected....:
$XDG CURRENT DESKTOP\e[Om"
echo
else
/bin/echo -e
!!!!!!!!!!!!\\e[Om"
/bin/echo -e "\e[1;31mYour system is not running Unity Desktop
Interface.\e[0m"
/bin/echo -e "\e[1;31mThe script has been written to enable Unity
Desktop in remote session...\e[0m"
/bin/echo -e "\e[1;31mThe script is exiting...\e[0m"
/bin/echo -e
!!!!!!!!!!!!!!!!!\e[Om"
exit
fi
#---
                               . . . . . . . . . #
# Step 1 - Download XRDP Binaries...
#----
                                  ---#
/bin/echo -e
/bin/echo -e "\e[1;32m Downloading xRDP binaries and tools...\e[0m"
/bin/echo -e
echo
/bin/echo -e "\e[1;33m Installing Git....Proceeding \e[0m"
echo
sudo apt-get -y install git
```

```
echo
cd ~/Downloads
## -- Download the xrdp latest files
echo
/bin/echo -e "\e[1;33m Preparing download xrdp
package...Proceeding\e[0m"
echo
git clone https://github.com/neutrinolabs/xrdp.git
echo
/bin/echo -e "\e[1;33m Preparing download xorgxrdp
package...Proceeding\e[0m"
echo
git clone https://github.com/neutrinolabs/xorgxrdp.git
#------#
# Step 2 - Install Prereqs...
#-----#
echo
/bin/echo -e "\e[1;33m Installing Prereqs....Proceeding\e[0m"
echo
sudo apt-get -y install libx11-dev libxfixes-dev libssl-dev libpam0g-
dev libtool libjpeg-dev flex bison gettext autoconf libxml-parser-perl
libfuse-dev xsltproc libxrandr-dev python-libxml2 nasm xserver-xorg-dev
fuse
#------#
# Step 3 - Check if Fontutil.h file exists...
#checking if file exists...
echo
/bin/echo -e "\e[1;33m Checking fontutil.h file....Proceeding\e[0m"
echo
file="/usr/include/X11/fonts/fontutil.h"
if [ -f "$file" ]
then
echo
/bin/echo -e "\e[1;37m Fontutil.h exist...Moving Next step
\e[0m"
echo
else
echo
/bin/echo -e "\e[1;37m Fontutil.h will be created by
script...Proceeding \e[0m"
echo
```

```
cat >/usr/include/X11/fonts/fontutil.h <<EOF</pre>
#ifndef _FONTUTIL_H_
#define FONTUTIL H
#include <X11/fonts/FSproto.h>
extern int FontCouldBeTerminal(FontInfoPtr);
extern int CheckFSFormat(fsBitmapFormat, fsBitmapFormatMask, int *, int
*,
                     int *, int *, int *);
extern void FontComputeInfoAccelerators(FontInfoPtr);
extern void GetGlyphs ( FontPtr font, unsigned long count,
                    unsigned char *chars, FontEncoding
fontEncoding,
                    unsigned long *glyphcount, CharInfoPtr *glyphs
);
extern void QueryGlyphExtents ( FontPtr pFont, CharInfoPtr *charinfo,
                           unsigned long count, ExtentInfoRec
*info ):
extern Bool QueryTextExtents ( FontPtr pFont, unsigned long count,
                          unsigned char *chars, ExtentInfoRec
*info );
extern Bool ParseGlyphCachingMode ( char *str );
extern void InitGlyphCaching ( void );
extern void SetGlyphCachingMode ( int newmode );
extern int add range ( fsRange *newrange, int *nranges, fsRange
**range,
                   Bool charset subset );
#endif /* FONTUTIL H */
EOF
fi
#-----
                    # Step 4 - compiling...
#-----
                 # -- Compiling xrdp package first
echo
/bin/echo -e
/bin/echo -e "\e[1;32mXRDP Compilation about to start !...
e[0m''
/bin/echo -e
echo
```

cd ~/Downloads/xrdp

```
sudo ./bootstrap
sudo ./configure --enable-fuse --enable-jpeg
sudo make
#-- check if no error during compilation
if [ $? -eq 0 ]
then
echo
/bin/echo -e "\e[1;37m-----\e[0m"
/bin/echo -e "\e[1;37mMake Operation Successful !
                                       \e[0m"
/bin/echo -e "\e[1;37m-----\e[0m"
echo
else
echo
/bin/echo -e
/bin/echo -e "\e[1;31mError while executing make.\e[0m"
/bin/echo -e "\e[1;31mThe script is exiting...\e[0m"
/bin/echo -e
echo
exit
fi
sudo make install
# -- Compiling xorgxrdp package first
echo
/bin/echo -e
/bin/echo -e "\e[1;32mxorgxrdp Compilation about to start !...
\e[0m"
/bin/echo -e
echo
cd ~/Downloads/xorgxrdp
sudo ./bootstrap
sudo ./configure
sudo make
# check if no error during compilation
if [ $? -eq 0 ]
then
echo
/bin/echo -e "\e[1;37m------\e[0m"
/bin/echo -e "\e[1;37mMake Operation Successful ! \e[0m"
/bin/echo -e "\e[1;37m------\e[0m"
echo
else
/bin/echo -e
```

```
/bin/echo -e "\e[1;31mError while executing make.\e[0m"
/bin/echo -e "\e[1;31mThe script is exiting...\e[0m"
/bin/echo -e
echo
exit
fi
sudo make install
#------
                                 ----#
# Step 5 - create policies exceptions ....
#-----
echo
/bin/echo -e "\e[1;33m Creating Polkit file...Proceeding\e[0m"
echo
sudo bash -c "cat >/etc/polkit-1/localauthority.conf.d/02-allow-
colord.conf" <<EOF</pre>
polkit.addRule(function(action, subject) {
if ((action.id == "org.freedesktop.color-manager.create-device" ||
action.id == "org.freedesktop.color-manager.create-profile" ||
action.id == "org.freedesktop.color-manager.delete-device" ||
action.id == "org.freedesktop.color-manager.delete-profile" ||
action.id == "org.freedesktop.color-manager.modify-device" ||
action.id == "org.freedesktop.color-manager.modify-profile") &&
subject.isInGroup("{users}")) {
return polkit.Result.YES;
}
});
EOF
#------#
# Step 6 - configure Xwrapper file ....
#----
                                  ----#
echo
/bin/echo -e "\e[1;33m Configuring
Xwrapper(optional)...Proceeding\e[0m"
echo
sudo sed -i 's/allowed_users=console/allowed_users=anybody/'
/etc/X11/Xwrapper.config
#------#
# Step 7 - Populate the .xsession file multi-users #
                #----
echo
```

```
/bin/echo -e "\e[1;33m Configuring startwm.sh for multi-users
login...Proceeding\e[0m"
echo
sudo sed -i.bak "/# auth /a cat >~/.xsession << EOF\n#Unity Xrdp multi-</pre>
users \n/usr/lib/gnome-session/gnome-session-binary --session=ubuntu
&\n/usr/lib/x86 64-linux-gnu/unity/unity-panel-service
&\n/usr/lib/unity-settings-daemon/unity-settings-daemon &\nfor
indicator in /usr/lib/x86 64-linux-gnu/indicator-
*;\ndo\nbasename='basename \\\\\${indicator}'\ndirname='dirname
\\\\${indicator}'\nservice=\\\\${dirname}/\\\\${basename}/\\\\\${basename}/\\\\\$
ename}-service\n\\\\${service} &\ndone\nunity\nEOF"
/etc/xrdp/startwm.sh
#-----#
# Step 8 - create services ....
#____
          echo
/bin/echo -e "\e[1;33m Creating xRDP Services...Proceeding\e[0m"
echo
sudo systemctl daemon-reload
sudo systemctl enable xrdp.service
sudo systemctl enable xrdp-sesman.service
sudo systemctl start xrdp
#-----#
# Step 9 - install additional pacakge ....
#------#
echo
/bin/echo -e "\e[1;33m Installing xserver-xorg-core
pacakges...Proceeding\e[0m"
echo
sudo apt-get -y install xserver-xorg-core
echo
/bin/echo -e "\e[1;33m checking Virtualization
Platform...Proceeding\e[0m"
echo
vmversion=$(sudo dmidecode -s system-product-name)
echo $vmversion
if [ "$vmversion" = "VirtualBox" ]
then
       sudo apt-get -y install xserver-xorg-input-all
else
   echo "no additional package needed"
fi
/bin/echo -e "\e[1;32m------
```

\e[0m"
<pre>/bin/echo -e "\e[1;32mInstallation Completed\e[0m"</pre>
<pre>/bin/echo -e "\e[1;32mPlease test your xRDP configuration\e[0m"</pre>
<pre>/bin/echo -e "\e[1;32mCheck c-nergy.be website for latest version of</pre>
the script\e[Om"
<pre>/bin/echo -e "\e[1;32mwritten by Griffon - March 2018 - Version</pre>
1.9.2\e[Om"
/bin/echo -e "\e[1;32m
\e[0m"
echo

Nicht vergessen install-xrdp-1.9.2.sh mit chmod +x install-xrdp-1.9.2.sh auch ausführbar zu machen

Remote Desktop III - Eine noch bessere Lösung

```
sudo su
add-apt-repository ppa:hermlnx/xrdp
apt-get update
apt-get install xrdp
```

von Ubuntu (Client) auf MS Windows® (Server)

Quelle(n):

- Windows Vista, 7, 8.x und 10 mit dem RDP Wrapper zum Terminalserver machen
- RDP Wrapper Library

Shutdown per Icon:

- Verknüpfung auf dem Desktop erzeugen
- Ziel: C:\Windows\System32\shutdown.exe /s /t 0

Reboot per Icon:

- Verknüpfung auf dem Desktop erzeugen
- Ziel: C:\Windows\System32\shutdown.exe /r /t 0

From: https://www.von-thuelen.de/ - **Christophs DokuWiki**

Permanent link: https://www.von-thuelen.de/doku.php/wiki/linux/remote_desktop



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