

# 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 "\e[1;32m!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!\e[0m"
/bin/echo -e "\e[1;32m Dectecting Ubuntu Version and Desktop in use...\e[0m"
/bin/echo -e "\e[1;32m!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!\e[0m"

version=$(lsb_release -d | awk -F":" '{print $2}')

if [[ $version=="Ubuntu 16.04"* ]]; then
echo
/bin/echo -e "\e[1;33m Ubuntu Version :$version\e[0m"
```



```
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/neutrino-labs/xrdp.git
echo
/bin/echo -e "\e[1;33m Preparing download xorgxrdp
package...Proceeding\e[0m"
echo
git clone https://github.com/neutrino-labs/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
#ifdef _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
"\e[1;32m!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!\e[0m"
/bin/echo -e "\e[1;32mXRDP Compilation about to start !...
\e[0m"
/bin/echo -e
"\e[1;32m!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!\e[0m"
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
"\e[1;31m!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!\e[0m"
/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
"\e[1;31m!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!\e[0m"
echo
exit
fi
sudo make install

# -- Compiling xorgxrdp package first

echo
/bin/echo -e
"\e[1;32m!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!\e[0m"
/bin/echo -e "\e[1;32mxorgxrdp Compilation about to start !...
\e[0m"
/bin/echo -e
"\e[1;32m!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!\e[0m"
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;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-
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}/\\\\\$${bas
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"  
/bin/echo -e "\e[1;32mInstallation Completed\e[0m"  
/bin/echo -e "\e[1;32mPlease test your xRDP configuration....\e[0m"  
/bin/echo -e "\e[1;32mCheck c-nergy.be website for latest version of  
the script\e[0m"  
/bin/echo -e "\e[1;32mwritten by Griffon - March 2018 - Version  
1.9.2\e[0m"  
/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):

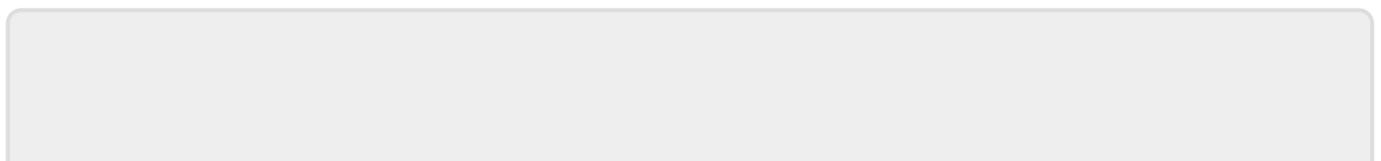
- [Windows Vista, 7, 8.x und 10 mit dem RDP Wrapper zum Terminalserver machen](#)
- [RDP Wrapper Library](#)

### 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://von-thuelen.de/> - **Christophs DokuWiki**

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