

notes dgleba

==

Run windows remote app on linux ubuntu.

Windows host.

Linux client machine to run windows app remotely and show in a window in linux.

See: <http://davidgleba.blogspot.ca/2017/01/how-to-run-windows-remoteapp-on-ubuntu.html>

Research:

The question...

<http://superuser.com/questions/585762/how-to-run-a-program-remotely-and-show-it-locally>

how to run remote windows app on windows client and or linux client

Reference..

[https://technet.microsoft.com/en-us/library/cc755055\(v=ws.11\).aspx](https://technet.microsoft.com/en-us/library/cc755055(v=ws.11).aspx)

<http://www.windowsnetworking.com/articles-tutorials/netgeneral/host-remoteapps-windows-pcs-part1.html>

<http://serverfault.com/questions/376182/windows-7-terminal-services-remoteapp>

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<https://bmullan.wordpress.com/2012/09/17/howto-integrate-windows-apps-into-the-ubuntu-linux-desktop-using-windows-remoteapp/>

2017-01-22

<http://daviwa.blogspot.ca/2016/04/remoteapp-how-to-run-windows.html>

I never had any luck with winconn and it is not necessary.

I may have installed dependencies needed for freerdp in that process though.

```
wget https://launchpad.net/~realender/+archive/ubuntu/winconn/+files/winconn_0.2.14-1_all.deb
```

Install WinConn on Ubuntu 14.04

If the Ubuntu version (# 3) is 13.04, 13.10, 14.04 and so on, we have to install the missing dependencise next to install WinConn package.

=

```
dg@redwemx ~ $ sudo apt-get install freerdp-x11 gir1.2-appindicator3-0.1 gnome-user-guide libfreerdp-plugins-standard libfreerdp1 libyelp0 python-apport python-crypto python-httplib2
python-keyring python-launchpadlib python-lazr.restfulclient python-lazr.uri python-oauth python-problem-report python-secretstorage python-simplejson python-wadllib python-zope.interface yelp
yelp-xsl
```

[sudo] password for dg:

Package libfreerdp1 is not available, but is referred to by another package.

This may mean that the package is missing, has been obsoleted, or

is only available from another source

However the following packages replace it:

```
libxfreerdp-client1.1:i386 libwinpr-winsock0.1:i386 libwinpr-winhttp0.1:i386 libwinpr-utils0.1:i386 libwinpr-timezone0.1:i386
libwinpr-thread0.1:i386 libwinpr-sysinfo0.1:i386 libwinpr-synch0.1:i386 libwinpr-sspicli0.1:i386 libwinpr-sspi0.1:i386
libwinpr-rpc0.1:i386 libwinpr-registry0.1:i386 libwinpr-pool0.1:i386 libwinpr-pipe0.1:i386 libwinpr-path0.1:i386
libwinpr-library0.1:i386 libwinpr-io0.1:i386 libwinpr-interlocked0.1:i386 libwinpr-input0.1:i386 libwinpr-heap0.1:i386
libwinpr-handle0.1:i386 libwinpr-file0.1:i386 libwinpr-error0.1:i386 libwinpr-environment0.1:i386 libwinpr-dsparse0.1:i386
libwinpr-crypto0.1:i386 libwinpr-crt0.1:i386 libwinpr-credui0.1:i386 libwinpr-credentials0.1:i386 libwinpr-bcrypt0.1:i386
libwinpr-asn1-0.1:i386 libfreerdp-utils1.1:i386 libfreerdp-rail1.1:i386 libfreerdp-primitives1.1:i386 libfreerdp-locale1.1:i386
libfreerdp-gdi1.1:i386 libfreerdp-crypto1.1:i386 libfreerdp-core1.1:i386 libfreerdp-common1.1.0:i386 libfreerdp-codec1.1:i386
libfreerdp-client1.1:i386 libfreerdp-cache1.1:i386
libxfreerdp-client1.1 libwinpr-winsock0.1 libwinpr-winhttp0.1 libwinpr-utils0.1
libwinpr-timezone0.1 libwinpr-thread0.1 libwinpr-sysinfo0.1 libwinpr-synch0.1 libwinpr-sspicli0.1 libwinpr-sspi0.1 libwinpr-rpc0.1
libwinpr-registry0.1 libwinpr-pool0.1 libwinpr-pipe0.1 libwinpr-path0.1 libwinpr-library0.1 libwinpr-io0.1 libwinpr-interlocked0.1
libwinpr-input0.1 libwinpr-heap0.1 libwinpr-handle0.1 libwinpr-file0.1 libwinpr-error0.1 libwinpr-environment0.1
libwinpr-dsparse0.1 libwinpr-crypto0.1 libwinpr-crt0.1 libwinpr-credui0.1 libwinpr-credentials0.1 libwinpr-bcrypt0.1
libwinpr-asn1-0.1 libfreerdp-utils1.1 libfreerdp-rail1.1 libfreerdp-primitives1.1 libfreerdp-locale1.1 libfreerdp-gdi1.1
libfreerdp-crypto1.1 libfreerdp-core1.1 libfreerdp-common1.1.0 libfreerdp-codec1.1 libfreerdp-client1.1 libfreerdp-cache1.1
```

E: Package 'libfreerdp1' has no installation candidate

```
dg@redwemx ~ $
```

=

```

sudo apt-get install -y libxfreerdp-client1.1:i386 libwinpr-winsock0.1:i386 libwinpr-winhttp0.1:i386 libwinpr-utils0.1:i386 libwinpr-timezone0.1:i386 libwinpr-thread0.1:i386
sudo apt-get install -y libwinpr-sysinfo0.1:i386 libwinpr-synch0.1:i386 libwinpr-sspicli0.1:i386 libwinpr-sspi0.1:i386 libwinpr-rpc0.1:i386 libwinpr-registry0.1:i386 libwinpr-pool0.1:i386
sudo apt-get install -y libwinpr-pipe0.1:i386 libwinpr-path0.1:i386 libwinpr-library0.1:i386 libwinpr-io0.1:i386 libwinpr-interlocked0.1:i386 libwinpr-input0.1:i386 libwinpr-heap0.1:i386
sudo apt-get install -y libwinpr-handle0.1:i386 libwinpr-file0.1:i386 libwinpr-error0.1:i386 libwinpr-environment0.1:i386 libwinpr-dsparse0.1:i386 libwinpr-crypto0.1:i386
sudo apt-get install -y libwinpr-crt0.1:i386 libwinpr-credui0.1:i386 libwinpr-credentials0.1:i386 libwinpr-bcrypt0.1:i386 libwinpr-asn1-0.1:i386 libfreerdp-utils1.1:i386
sudo apt-get install -y libfreerdp-rail1.1:i386 libfreerdp-primitives1.1:i386 libfreerdp-locale1.1:i386 libfreerdp-gdi1.1:i386 libfreerdp-crypto1.1:i386 libfreerdp-core1.1:i386
sudo apt-get install -y libfreerdp-common1.1.0:i386 libfreerdp-codec1.1:i386 libfreerdp-client1.1:i386 libfreerdp-cache1.1:i386 libxfreerdp-client1.1 libwinpr-winsock0.1
sudo apt-get install -y libwinpr-winhttp0.1 libwinpr-utils0.1 libwinpr-timezone0.1 libwinpr-thread0.1 libwinpr-sysinfo0.1 libwinpr-synch0.1 libwinpr-sspicli0.1 libwinpr-sspi0.1
sudo apt-get install -y libwinpr-rpc0.1 libwinpr-registry0.1 libwinpr-pool0.1 libwinpr-pipe0.1 libwinpr-path0.1 libwinpr-library0.1 libwinpr-io0.1 libwinpr-interlocked0.1 libwinpr-input0.1
sudo apt-get install -y libwinpr-heap0.1 libwinpr-handle0.1 libwinpr-file0.1 libwinpr-error0.1 libwinpr-environment0.1 libwinpr-dsparse0.1 libwinpr-crypto0.1 libwinpr-crt0.1
sudo apt-get install -y libwinpr-credui0.1 libwinpr-credentials0.1 libwinpr-bcrypt0.1 libwinpr-asn1-0.1 libfreerdp-utils1.1 libfreerdp-rail1.1 libfreerdp-primitives1.1 libfreerdp-locale1.1
sudo apt-get install -y libfreerdp-gdi1.1 libfreerdp-crypto1.1 libfreerdp-core1.1 libfreerdp-common1.1.0 libfreerdp-codec1.1 libfreerdp-client1.1 libfreerdp-cache1.1

sudo apt-get install -y

```

```

=
sudo dpkg -i winconn_0.2.14-1_all.deb

```

error:

Package libfreerdp1 is not available, but is referred to by another package. This may mean that the package is missing, has been obsoleted, or is only available from another source.
However the following packages replace it:

```
libxfreerdp-client1.1:i386 libwinpr-winsock0.1:i386 .....
```

This will show dependencies...

```
sudo dpkg -I winconn_0.2.14-1_all.deb
```

<http://askubuntu.com/questions/672158/winconn-dependencies-issue>

Install dependencies and then force install...

```

wget https://launchpad.net/~realender/+archive/ubuntu/winconn/+files/winconn_0.2.14-1_all.deb
sudo dpkg --force-all -i winconn_0.2.14-1_all.deb

```

Worked. Wincon is running.

I set up the windos stuff in justin server 2012

I used kimknight remote app tool.

Reg hack..

<http://stanev.org/winconn/AllowReamoteAPP.reg>

-

Windows Registry Editor Version 5.00

[HKEY_LOCAL_MACHINE\SOFTWARE\Policies\Microsoft\Windows NT\Terminal Services]

"fAllowUnlistedRemotePrograms"=dword:00000001

-

<https://blog.kevinlin.info/running-windows-applications-in-linux-with-server-2012-r2-and-remoteapp/>

rdesktop HOSTNAME -u USERNAME -d ADNAME -s APPLICATION_NAME -g WIDTHxHEIGHT -r disk:SHARE_NAME=LOCAL_PATH -p

rdesktop 192.168.88.60 -u dg -s write -g 1024x768 -r disk:\\DG-WIN7ULT4\Users\dg=/opt/winshare -p -

==

Works kind of - it gives a full remote desktop. it works ok as full desktop.

rdesktop 192.168.88.60 -u dg -s "Windows Write" -g 1324x680 -r disk:\\DG-WIN7ULT4\Users\dg\dg_rmt=/opt/winshare -p x

rdesktop 192.168.88.60 -u dg -s "Windows Write" -g 1324x680 -r disk:\\DG-WIN7ULT4\Users\dg\dg_rmt=/opt/winshare -p x

==

<https://github.com/FreeRDP/FreeRDP/wiki/RemoteApp>

xfreerdp /u:dg /p:x /app:"|calc" /v:192.168.88.60

--

worked:

win7ult4 on vitrualbox on redwe host. linux mint 18 xfce client.

xfreerdp /u:dg /p:x /app:"|Windows Write" /v:192.168.88.60

/opt/freerdp-nightly/bin/xfreerdp /u:dg /p:x /app:"|Windows Write" /v:192.168.88.60

~~~~~

Title: .

-----2017-01-25[Jan-Wed]09:49AM

==

xfreerdp /u:dg /d:pc /p:xxx /app:"||calculator" /v:jgleba.com

-

dg@red5amx ~ \$ xfreerdp /u:dg /d:pc /p:xxxx /app:"||calculator" /v:jgleba.com

loading channel rail

connected to jgleba.com:3389

@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@

@ WARNING: CERTIFICATE NAME MISMATCH! @

@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@

The hostname used for this connection (jgleba.com)

does not match the name given in the certificate:

Common Name (CN):

2012ts.pc.local

A valid certificate for the wrong name should NOT be trusted!

Certificate details:

Subject: CN = 2012ts.pc.local

Issuer: CN = 2012ts.pc.local

Thumbprint: 16:bb:d8:fb:9c:51:8d:e8:1b:48:22:1c:f9:61:6f:5c:4b:98:84:b6

The above X.509 certificate could not be verified, possibly because you do not have the CA certificate in your certificate store, or the certificate has expired. Please look at the documentation on how to create local certificate store for a private CA.

Do you trust the above certificate? (Y/N) y

SSL\_read: Failure in SSL library (protocol error?)

SSL\_read: error:14094419:SSL routines:ssl3\_read\_bytes:tlsv1 alert access denied

credssp\_recv() error: -1

Authentication failure, check credentials.

If credentials are valid, the NTLMSSP implementation may be to blame.

Error: protocol security negotiation or connection failure

dg@red5amx ~ \$

==

Windows client to windows remote desktop

2017-01-24

<https://cloudbase.it/freerdp-for-windows-nightly-builds/>

Directory of C:\p2\wfreerdp

```
09/20/2016 05:24 PM <DIR>      Hyper-V
09/20/2016 05:22 PM          11,560 LICENSE
01/24/2017 02:32 PM          247 readme-dg.txt
01/24/2017 02:31 PM    1,164,897 wfreerdp-1.1.zip
09/20/2016 05:24 PM    2,651,648 wfreerdp.exe
          4 File(s)    3,828,352 bytes
          3 Dir(s)  7,977,869,312 bytes free
```

C:\p2\wfreerdp\wfreerdp-1.1.zip

```
xfreerdp /u:user /d:domain /p:password /app:"||calc" /v:server
```

works..

It Just quit. No problem. There was no calc app setup

```
wfreerdp /u:dgleba /d:stackpole.ca /p:x /app:"||calc" /v:pmdsdata2
```

works..

```
wfreerdp /d:stackpole.ca /w:1890 /h:990 /v:pmdsdata2
```

---

17-01-25,7am

Yes..

Pre-builds in freerdp wiki

<https://github.com/FreeRDP/FreeRDP/wiki/PreBuilds>

<https://ci.freerdp.com/job/freerdp-nightly-binaries/architecture=amd64,distribution=xenial,label=pkg-deb/>

Open deb with gdebi

[https://ci.freerdp.com/job/freerdp-nightly-binaries/architecture=amd64,distribution=xenial,label=pkg-deb/lastSuccessfulBuild/artifact/freerdp-nightly\\_2.0.0+0%7E20170123165138.331%7E1.gbpd34291\\_amd64.deb](https://ci.freerdp.com/job/freerdp-nightly-binaries/architecture=amd64,distribution=xenial,label=pkg-deb/lastSuccessfulBuild/artifact/freerdp-nightly_2.0.0+0%7E20170123165138.331%7E1.gbpd34291_amd64.deb)

works..

```
/opt/freerdp-nightly/bin/xfreerdp /u:dg /p:x /app:"||Windows Write" /v:192.168.88.60
```

```
/opt/freerdp-nightly/bin/xfreerdp /u:dg /p:x /app:"||Windows Explorer" /v:192.168.88.60
```

```
/opt/freerdp-nightly/bin/xfreerdp /u:dg /p:x /app:"||mRemoteNG" /v:192.168.88.60
```

Ref..

[https://www.ubuntuupdates.org/package\\_metas?exact\\_match=1&q=freerdp-x11](https://www.ubuntuupdates.org/package_metas?exact_match=1&q=freerdp-x11)

Not used. Just read it.

---

### sudo dpkg -i

```
https://ci.freerdp.com/job/freerdp-nightly-binaries/architecture=amd64,distribution=xenial,label=pkg-deb/lastSuccessfulBuild/artifact/freerdp-nightly_2.0.0+0%7E20170123165138.331%7E1.gbpd34291_amd64.deb
```

```
albe@v206c:~$ sudo dpkg -i /home/albe/Downloads/freerdp-nightly_2.0.0+0~20170123165138.331~1.gbpd34291_amd64.deb
new debian package, version 2.0.
```

```
...
```

```
Package: freerdp-nightly
```

```
Version: 2.0.0+0~20170123165138.331~1.gbpd34291
```

```
Maintainer: FreeRDP <team@freerdp.com>
```

```
Depends: libasound2 (>= 1.0.16), libavcodec-ffmpeg56 (>= 7:2.4) | libavcodec-ffmpeg-extra56 (>= 7:2.4), libavutil-ffmpeg54 (>= 7:2.4), libc6 (>= 2.15), libcups2 (>= 1.4.0), libglib2.0-0 (>= 2.41.1), libgsm1 (>= 1.0.13), libgstreamer-plugins-base1.0-0 (>= 1.0.0), libgstreamer1.0-0 (>= 1.4.0), libjpeg8 (>= 8c), libpulse0 (>= 0.99.1), libssl1.0.0 (>= 1.0.0), libudev1 (>= 183), libusb-1.0-0 (>= 2:1.0.8), libx11-6 (>= 2:1.2.99.901), libxcursor1 (>= 1.1.2), libxdamage1 (>= 1:1.1), libxext6, libxfixes3, libxi6 (>= 2:1.2.99.4), libxinerama1, libxkbfile1, libxrender1, libxtst6, libxv1
```

dpkg: dependency problems prevent configuration of freerdp-nightly:

freerdp-nightly depends on libavcodec-ffmpeg56 (>= 7:2.4) | libavcodec-ffmpeg-extra56 (>= 7:2.4); however:

Package libavcodec-ffmpeg56 is not installed.

Package libavcodec-ffmpeg-extra56 is not installed.

freerdp-nightly depends on libavutil-ffmpeg54 (>= 7:2.4); however:

Package libavutil-ffmpeg54 is not installed.

freerdp-nightly depends on libglib2.0-0 (>= 2.41.1); however:

Version of libglib2.0-0:amd64 on system is 2.40.2-0ubuntu1.

freerdp-nightly depends on libgsm1 (>= 1.0.13); however:

Package libgsm1 is not installed.

freerdp-nightly depends on libgstreamer1.0-0 (>= 1.4.0); however:

Version of libgstreamer1.0-0:amd64 on system is 1.2.4-0ubuntu1.

freerdp-nightly depends on libpulse0 (>= 0.99.1); however:

Package libpulse0 is not installed.

```
sudo apt-get install libavcodec-ffmpeg56 libavcodec-ffmpeg-extra56 libavutil-ffmpeg54 libglib2.0-0:amd64 libgsm1 libgstreamer1.0-0:amd64 libpulse0
```

```
sudo apt-get install libavcodec-ffmpeg56
```

```
sudo apt-get install libasound2 libavcodec-ffmpeg56 libavcodec-ffmpeg-extra56 libavutil-ffmpeg54 libc6 libcups2 libgl2.0-0 libgsm1 libgstreamer-plugins-base1.0-0 libgstreamer1.0-0
libjpeg8 libpulse0 libssl1.0.0 libudev1 libusb-1.0-0 libx11-6 libxcursor1 libxdamage1 libxext6, libxfixes3, libxi6 libxinerama1, libxkbfile1, libxrender1, libxtst6, libxv1
```

# Ubuntu Sources List Generator

<https://repogen.simplylinux.ch/generate.php>

```
sudo cp /etc/apt/sources.list /etc/apt/sources.list$(date +"__%Y.%m.%d_%H.%M.%S").bak.txt
```

```
curl https://repogen.simplylinux.ch/txt/trusty/sources_744f4fee01a482a1d7c95969f35cdbbd498ad0ff.txt | sudo tee -a /etc/apt/sources.list
```

```
sudo cp /etc/apt/gpg_keys.txt /etc/apt/gpg_keys.txt$(date +"__%Y.%m.%d_%H.%M.%S").bak.txt
```

```
curl https://repogen.simplylinux.ch/txt/trusty/gpg_744f4fee01a482a1d7c95969f35cdbbd498ad0ff.txt | sudo tee /etc/apt/gpg_keys.txt
```

```
sudo cp /etc/apt/gpg_keys.txt /etc/apt/gpg_keys.txt$(date +"__%Y.%m.%d_%H.%M.%S").bak.txt
```

```
# alternate for synaptic..
```

```
#curl https://repogen.simplylinux.ch/txt/trusty/synaptic_744f4fee01a482a1d7c95969f35cdbbd498ad0ff.txt | sudo tee /etc/apt/sources.list
```

---

```
No..
17-01-25
sudo add-apt-repository ppa:freerdp-team/freerdp
sudo apt-get update

https://launchpad.net/~freerdp-team/+archive/ubuntu/freerdp
```

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On vamp206a: <https://github.com/dgleba/vamp206a> , Ubuntu 14.04 server with lxde added.

sudo apt-get install vinagre

This install xfreerdp-x11 and other things.

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=====

Just junk follows...

=====

Not used..

Ubuntu Sources List Generator

<https://repogen.simplylinux.ch/>

```
curl https://repogen.simplylinux.ch/txt/xenial/sources_5d637679d48be5fbc11593afedf9b985dbaf0907.txt | sudo tee /etc/apt/sources.list
```

```
curl https://repogen.simplylinux.ch/txt/xenial/gpg_5d637679d48be5fbc11593afedf9b985dbaf0907.txt | sudo tee /etc/apt/gpg_keys.txt
```

```
curl https://repogen.simplylinux.ch/txt/xenial/synaptic_5d637679d48be5fbc11593afedf9b985dbaf0907.txt | sudo tee /etc/apt/sources.list
```

No luck..

<http://appguppy.blogspot.ca/2012/01/how-to-setup-freerdp-from-linux-ubuntu.html>

```
sudo cat > /etc/ld.so.conf.d/freerdp.conf
/usr/local/lib/freerdp
/usr/local/lib
```

<https://ci.freerdp.com/job/freerdp-nightly-binaries/architecture=amd64,distribution=xenial,label=pkg-deb/lastStableBuild/>

```
xfreerdp -u <username> --app --plugin ./usr/local/lib/freerdp/rail.so --data "%windir%\system32\cmd.exe" -- <ip of your windows machine>
```

```
xfreerdp -u dg --app --plugin ./usr/local/lib/freerdp/rail.so --data "%windir%\system32\cmd.exe" --192.168.88.94
```

```
dg@red5amx ~/abag/freerdp $ xfreerdp -u dg --app --plugin ./usr/local/lib/freerdp/rail.so --data "%windir%\system32\cmd.exe" --192.168.88.94
WARNING: Using deprecated command-line interface!
-u dg -> /u:dg
--app -> /app + program name or alias
(null) -> /v:(null)
```

error: server hostname was not specified with /v:<server>[:port]

dg@red5amx ~/abag/freerdp \$

xfreerdp /u:dg --plugin ./usr/local/lib/freerdp/rail.so /app "%windir%\system32\cmd.exe" /v:192.168.88.94

dg@red5amx ~/abag/freerdp \$ xfreerdp /u:dg --plugin ./usr/local/lib/freerdp/rail.so /app "%windir%\system32\cmd.exe" /v:192.168.88.94

error: server hostname was not specified with /v:<server>[:port]

dg@red5amx ~/abag/freerdp \$

=

~=====~