

Getting Graphical Utilities to Work on WSL

Check this article about native WSL support first

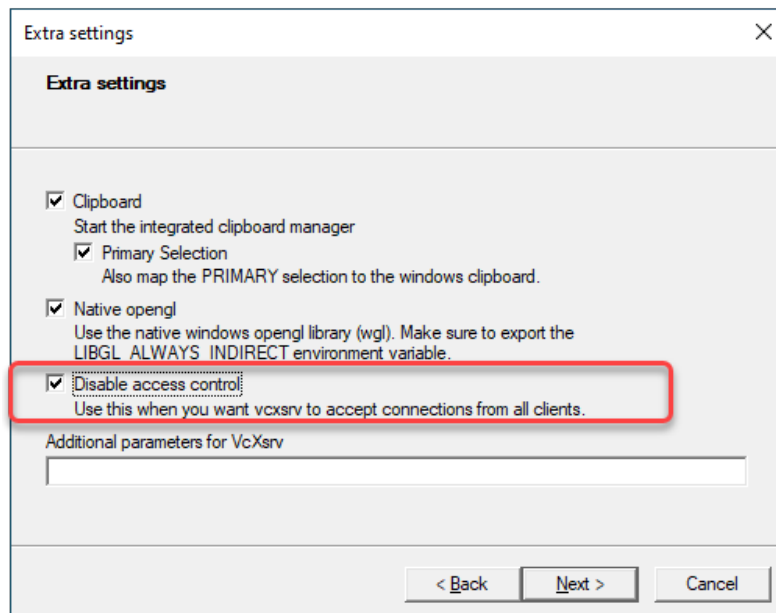
Older Instructions:

Instructions taken from <https://techcommunity.microsoft.com/t5/windows-dev-appconsult/running-wsl-gui-apps-on-windows-10/ba-p/1493242>

1. Get VcXsrv Windows X Server

Download the X Server for Windows here and install.

- During setup is important to disable the access control to avoid the permission denied error when trying to run a GUI application:



- To make sure that “Disable access control” will always be checked, save the configuration and always launch VcXsrv using the config file (config.xlaunch)
 - Also make sure to allow VcXsrv in the Windows firewall settings (make sure private is checked too, apparently):
2. Set the DISPLAY environment variable on WSL to use the Windows host’s IP address (because WSL2 and Windows host are not on the same network device). It’s necessary to set the DISPLAY environment variable with the correct IP address on launch.

There are 3 ways to do it (the first one worked just fine for me):

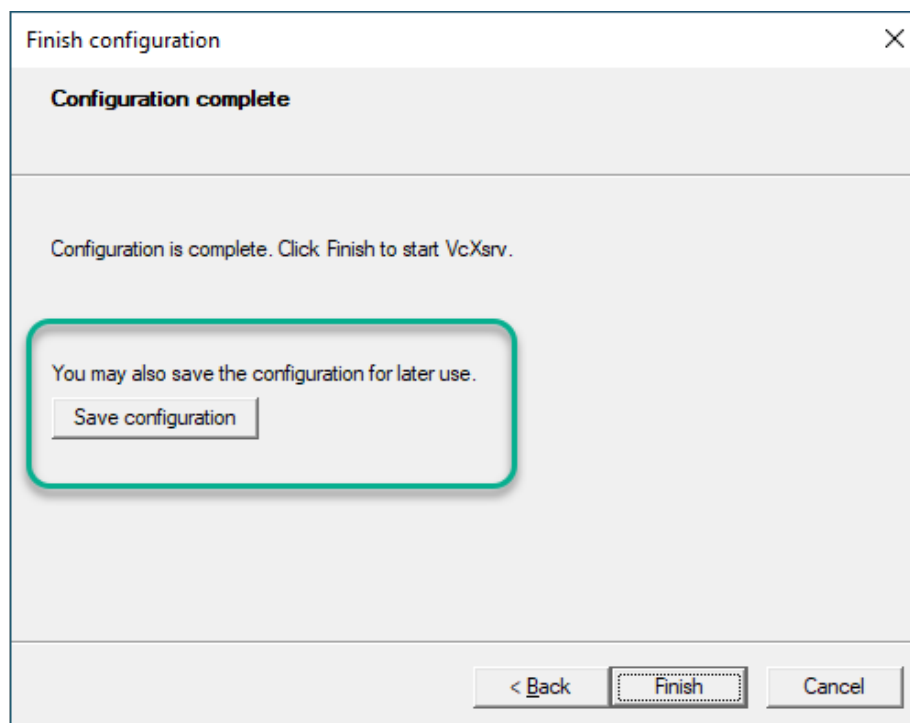


Figure 1: image

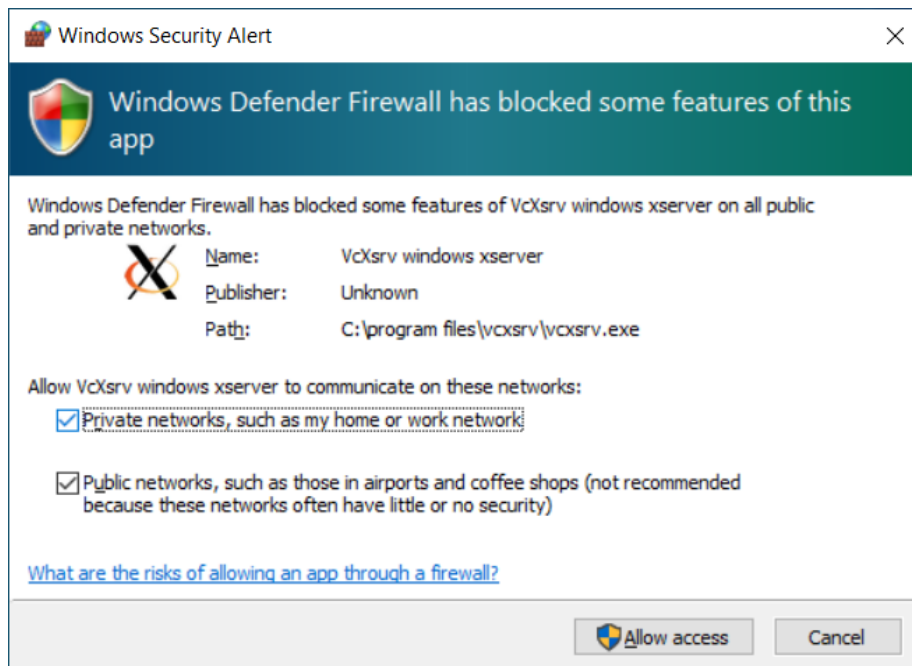


Figure 2: image

```
export DISPLAY="`grep nameserver /etc/resolv.conf | sed 's/nameserver //'':0"
export DISPLAY="`sed -n 's/nameserver //p' /etc/resolv.conf`:0"
export DISPLAY=$(ip route|awk '/^default/{print $3}'):0.0
```

To avoid having to run that command every time that WSL is launched, you can add the command to the end of your

```
GNU nano 5.6.1 /etc/bash.bashrc *
EOF
fi
esac
fi

# if the command-not-found package is installed, use it
if [ -x /usr/lib/command-not-found -o -x /usr/share/command-not-found/command-not-found ]; then
    function command_not_found_handle {
        # check because c-n-f could've been removed in the meantime
        if [ -x /usr/lib/command-not-found ]; then
            /usr/lib/command-not-found -- "$1"
            return $?
        elif [ -x /usr/share/command-not-found/command-not-found ]; then
            /usr/share/command-not-found/command-not-found -- "$1"
            return $?
        else
            printf "%s: command not found\n" "$1" >&2
            return 127
        fi
    }
fi

export DISPLAY="`grep nameserver /etc/resolv.conf | sed 's/nameserver //'':0"

/etc/bash.bashrc file.
```

3. It's also necessary to create a `.xsession` file in the user's home directory (`/home//.xsession`) with the content `xfce4-session`:

```
echo xfce4-session > ~/.xsession
```

4. Done!