

```
(base) intern@dse-MS-7D09:~/Desktop/sonata$ cd
(base) intern@dse-MS-7D09:~$ sudo apt update
sudo apt install tigervnc-standalone-server tigervnc-common
[sudo] password for intern:
Hit:1 http://in.archive.ubuntu.com/ubuntu noble InRelease
Get:2 http://security.ubuntu.com/ubuntu noble-security InRelease [126 kB]
Get:3 http://in.archive.ubuntu.com/ubuntu noble-updates InRelease [126 kB]
Hit:4 https://ppa.launchpadcontent.net/deadsnakes/ppa/ubuntu noble InRelease
Hit:5 https://packages.microsoft.com/repos/vscode stable InRelease
Get:6 https://packages.microsoft.com/repos/code stable InRelease [3,590 B]
Get:7 http://in.archive.ubuntu.com/ubuntu noble-backports InRelease [126 kB]
Get:8 http://in.archive.ubuntu.com/ubuntu noble-updates/main amd64 Components [161 kB]
Get:9 https://packages.microsoft.com/repos/code stable/main armhf Packages [19.7 kB]
Get:10 http://in.archive.ubuntu.com/ubuntu noble-updates/restricted amd64 Components [212 B]
Get:11 http://in.archive.ubuntu.com/ubuntu noble-updates/universe amd64 Components [376 kB]
Hit:12 https://brave-browser-apt-release.s3.brave.com stable InRelease
Get:13 https://packages.microsoft.com/repos/code stable/main amd64 Packages [19.5 kB]
Get:14 https://packages.microsoft.com/repos/code stable/main arm64 Packages [19.5 kB]
Get:15 http://security.ubuntu.com/ubuntu noble-security/main amd64 Components [21.6 kB]
Get:16 http://in.archive.ubuntu.com/ubuntu noble-updates/multiverse amd64 Components [940 B]
Get:17 http://in.archive.ubuntu.com/ubuntu noble-backports/main amd64 Components [7,068 B]
Get:18 http://in.archive.ubuntu.com/ubuntu noble-backports/restricted amd64 Components [212 B]
Get:19 http://in.archive.ubuntu.com/ubuntu noble-backports/universe amd64 Components [16.4 kB]
Get:20 http://in.archive.ubuntu.com/ubuntu noble-backports/multiverse amd64 Components [212 B]
Get:21 http://security.ubuntu.com/ubuntu noble-security/restricted amd64 Components [212 B]
Get:22 http://security.ubuntu.com/ubuntu noble-security/universe amd64 Components [52.2 kB]
Get:23 http://security.ubuntu.com/ubuntu noble-security/multiverse amd64 Components [212 B]
Hit:24 https://download.docker.com/linux/ubuntu noble InRelease
Hit:25 https://nvidia.github.io/libnvidia-container/experimental/deb/amd64 InRelease
Get:26 https://nvidia.github.io/libnvidia-container/experimental/ubuntu18.04/amd64 InRelease [1,503 B]
Get:27 https://nvidia.github.io/libnvidia-container/stable/ubuntu18.04/amd64 InRelease [1,484 B]
Fetched 1,081 kB in 3s (333 kB/s)
Reading package lists... Done
Building dependency tree... Done
Reading state information... Done
16 packages can be upgraded. Run 'apt list --upgradable' to see them.
```

W: <https://packages.microsoft.com/repos/vscode/dists/stable/InRelease>: Key is stored in legacy trusted.gpg keyring (/etc/apt/trusted.gpg), see the DEPRECATION section in apt-key(8) for details.

N: Skipping acquire of configured file 'main/binary-i386/Packages' as repository '<https://packages.microsoft.com/repos/vscode/stable/InRelease>' doesn't support architecture 'i386'

N: Skipping acquire of configured file 'main/binary-i386/Packages' as repository '<https://brave-browser-apt-release.s3.brave.com/stable/InRelease>' doesn't support architecture 'i386'

Reading package lists... Done

Building dependency tree... Done

Reading state information... Done

The following packages were automatically installed and are no longer required:

libgit2-1.7 libhttp-parser2.9 libssh2-1t64 libstd-rust-1.75 libstd-rust-dev

Use 'sudo apt autoremove' to remove them.

The following additional packages will be installed:

libfile-readbackwards-perl tigervnc-tools

Suggested packages:

xfonts-100dpi | xfonts-75dpi

The following NEW packages will be installed:

libfile-readbackwards-perl tigervnc-common tigervnc-standalone-server tigervnc-tools

0 upgraded, 4 newly installed, 0 to remove and 16 not upgraded.

Need to get 1,254 kB of archives.

After this operation, 3,237 kB of additional disk space will be used.

Do you want to continue? [Y/n] y

Get:1 [http://in.archive.ubuntu.com/ubuntu/noble/universe/amd64/libfile-readbackwards-perl_1.06-2](http://in.archive.ubuntu.com/ubuntu/noble/universe/amd64/libfile-readbackwards-perl_1.06-2_all.deb) [10.2 kB]

Get:2 [http://in.archive.ubuntu.com/ubuntu/noble/universe/amd64/tigervnc-common_1.13.1+dfsg-2build2](http://in.archive.ubuntu.com/ubuntu/noble/universe/amd64/tigervnc-common_1.13.1+dfsg-2build2_amd64.deb) [84.4 kB]

Get:3 [http://in.archive.ubuntu.com/ubuntu/noble/universe/amd64/tigervnc-standalone-server_1.13.1+dfsg-2build2](http://in.archive.ubuntu.com/ubuntu/noble/universe/amd64/tigervnc-standalone-server_1.13.1+dfsg-2build2_amd64.deb) [1,142 kB]

Get:4 [http://in.archive.ubuntu.com/ubuntu/noble/universe/amd64/tigervnc-tools_1.13.1+dfsg-2build2](http://in.archive.ubuntu.com/ubuntu/noble/universe/amd64/tigervnc-tools_1.13.1+dfsg-2build2_amd64.deb) [17.6 kB]

Fetched 1,254 kB in 2s (608 kB/s)

Selecting previously unselected package libfile-readbackwards-perl.

(Reading database ... 301765 files and directories currently installed.)

Preparing to unpack .../libfile-readbackwards-perl_1.06-2_all.deb ...

Unpacking libfile-readbackwards-perl (1.06-2) ...

Selecting previously unselected package tigervnc-common.

Preparing to unpack .../tigervnc-common_1.13.1+dfsg-2build2_amd64.deb ...

Unpacking tigervnc-common (1.13.1+dfsg-2build2) ...

Selecting previously unselected package tigervnc-standalone-server.

Preparing to unpack .../tigervnc-standalone-server_1.13.1+dfsg-2build2_amd64.deb ...

Unpacking tigervnc-standalone-server (1.13.1+dfsg-2build2) ...

Selecting previously unselected package tigervnc-tools.
Preparing to unpack .../tigervnc-tools_1.13.1+dfsg-2build2_amd64.deb ...
Unpacking tigervnc-tools (1.13.1+dfsg-2build2) ...
Setting up tigervnc-tools (1.13.1+dfsg-2build2) ...
update-alternatives: using /usr/bin/tigervncpasswd to provide /usr/bin/vncpasswd (vncpasswd) in auto mode
Setting up libfile-readbackwards-perl (1.06-2) ...
Setting up tigervnc-common (1.13.1+dfsg-2build2) ...
update-alternatives: using /usr/bin/tigervncconfig to provide /usr/bin/vncconfig (vncconfig) in auto mode
Setting up tigervnc-standalone-server (1.13.1+dfsg-2build2) ...
update-alternatives: using /usr/bin/tigervncserver to provide /usr/bin/vncserver (vncserver) in auto mode
update-alternatives: using /usr/bin/Xtigervnc to provide /usr/bin/Xvnc (Xvnc) in auto mode
update-alternatives: using /usr/sbin/tigervncsession to provide /usr/sbin/vncsession (vncsession) in auto mode
Processing triggers for man-db (2.12.0-4build2) ...
(base) intern@dse-MS-7D09:~\$ sudo apt upgrade
Reading package lists... Done
Building dependency tree... Done
Reading state information... Done
Calculating upgrade... Done
The following packages were automatically installed and are no longer required:
 libgit2-1.7 libhttp-parser2.9 libssh2-1t64 libstd-rust-1.75 libstd-rust-dev
Use 'sudo apt autoremove' to remove them.
Get more security updates through Ubuntu Pro with 'esm-apps' enabled:
 libzvb1-common liburiparser1 libbson1 libavcodec60 libzvb1t64 libavutil58
 libswscale7 libswresample4 libavformat60 git-lfs
Learn more about Ubuntu Pro at <https://ubuntu.com/pro>
The following NEW packages will be installed:
 linux-headers-6.8.0-63 linux-headers-6.8.0-63-generic linux-image-6.8.0-63-generic
 linux-modules-6.8.0-63-generic linux-modules-extra-6.8.0-63-generic linux-tools-6.8.0-63
 linux-tools-6.8.0-63-generic
The following upgrades have been deferred due to phasing:
 ubuntu-drivers-common
The following packages will be upgraded:
 brave-browser fwupd gir1.2-mutter-14 libfwupd2 libmutter-14-0 libpciaccess0
 libpciaccess0:i386 linux-generic linux-headers-generic linux-image-generic linux-libc-dev
 linux-tools-common mutter-common mutter-common-bin sudo
15 upgraded, 7 newly installed, 0 to remove and 1 not upgraded.
6 standard LTS security updates
Need to get 135 MB/329 MB of archives.
After this operation, 301 MB of additional disk space will be used.
Do you want to continue? [Y/n] y

Get:1 https://brave-browser-apt-release.s3.brave.com stable/main amd64 brave-browser amd64 1.80.115 [128 MB]
Get:2 http://in.archive.ubuntu.com/ubuntu noble-updates/main amd64 libfwupd2 amd64 1.9.30-0ubuntu1~24.04.1 [136 kB]
Get:3 http://in.archive.ubuntu.com/ubuntu noble-updates/main amd64 fwupd amd64 1.9.30-0ubuntu1~24.04.1 [4,589 kB]
Get:4 http://in.archive.ubuntu.com/ubuntu noble-updates/main amd64 mutter-common all 46.2-1ubuntu0.24.04.9 [50.1 kB]
Get:5 http://in.archive.ubuntu.com/ubuntu noble-updates/main amd64 gir1.2-mutter-14 amd64 46.2-1ubuntu0.24.04.9 [131 kB]
Get:6 http://in.archive.ubuntu.com/ubuntu noble-updates/main amd64 libmutter-14-0 amd64 46.2-1ubuntu0.24.04.9 [1,392 kB]
Get:7 http://in.archive.ubuntu.com/ubuntu noble-updates/main amd64 mutter-common-bin amd64 46.2-1ubuntu0.24.04.9 [53.0 kB]
Get:8 http://in.archive.ubuntu.com/ubuntu noble-updates/main i386 libpciaccess0 i386 0.17-3ubuntu0.24.04.2 [21.8 kB]
Get:9 http://in.archive.ubuntu.com/ubuntu noble-updates/main amd64 libpciaccess0 amd64 0.17-3ubuntu0.24.04.2 [18.9 kB]
Fetched 135 MB in 2s (58.5 MB/s)
(Reading database ... 301810 files and directories currently installed.)
Preparing to unpack .../00-brave-browser_1.80.115_amd64.deb ...
Unpacking brave-browser (1.80.115) over (1.80.113) ...
Preparing to unpack .../01-sudo_1.9.15p5-3ubuntu5.24.04.1_amd64.deb ...
Unpacking sudo (1.9.15p5-3ubuntu5.24.04.1) over (1.9.15p5-3ubuntu5) ...
Preparing to unpack .../02-libfwupd2_1.9.30-0ubuntu1~24.04.1_amd64.deb ...
Unpacking libfwupd2:amd64 (1.9.30-0ubuntu1~24.04.1) over (1.9.29-0ubuntu1~24.04.1ubuntu1) ...
Preparing to unpack .../03-fwupd_1.9.30-0ubuntu1~24.04.1_amd64.deb ...
Unpacking fwupd (1.9.30-0ubuntu1~24.04.1) over (1.9.29-0ubuntu1~24.04.1ubuntu1) ...
Preparing to unpack .../04-mutter-common_46.2-1ubuntu0.24.04.9_all.deb ...
Unpacking mutter-common (46.2-1ubuntu0.24.04.9) over (46.2-1ubuntu0.24.04.8) ...
Preparing to unpack .../05-gir1.2-mutter-14_46.2-1ubuntu0.24.04.9_amd64.deb ...
Unpacking gir1.2-mutter-14:amd64 (46.2-1ubuntu0.24.04.9) over (46.2-1ubuntu0.24.04.8) ...
Preparing to unpack .../06-libmutter-14-0_46.2-1ubuntu0.24.04.9_amd64.deb ...
Unpacking libmutter-14-0:amd64 (46.2-1ubuntu0.24.04.9) over (46.2-1ubuntu0.24.04.8) ...
Preparing to unpack .../07-mutter-common-bin_46.2-1ubuntu0.24.04.9_amd64.deb ...
Unpacking mutter-common-bin (46.2-1ubuntu0.24.04.9) over (46.2-1ubuntu0.24.04.8) ...
Preparing to unpack .../08-libpciaccess0_0.17-3ubuntu0.24.04.2_i386.deb ...
De-configuring libpciaccess0:amd64 (0.17-3ubuntu0.24.04.1), to allow configuration of libpciaccess0:i386 (0.17-3ubuntu0.24.04.2) ...
Unpacking libpciaccess0:i386 (0.17-3ubuntu0.24.04.2) over (0.17-3ubuntu0.24.04.1) ...
Preparing to unpack .../09-libpciaccess0_0.17-3ubuntu0.24.04.2_amd64.deb ...
Unpacking libpciaccess0:amd64 (0.17-3ubuntu0.24.04.2) over (0.17-3ubuntu0.24.04.1) ...
Selecting previously unselected package linux-modules-6.8.0-63-generic.

Preparing to unpack .../10-linux-modules-6.8.0-63-generic_6.8.0-63.66_amd64.deb ...
Unpacking linux-modules-6.8.0-63-generic (6.8.0-63.66) ...
Selecting previously unselected package linux-image-6.8.0-63-generic.
Preparing to unpack .../11-linux-image-6.8.0-63-generic_6.8.0-63.66_amd64.deb ...
Unpacking linux-image-6.8.0-63-generic (6.8.0-63.66) ...
Selecting previously unselected package linux-modules-extra-6.8.0-63-generic.
Preparing to unpack .../12-linux-modules-extra-6.8.0-63-generic_6.8.0-63.66_amd64.deb ...
Unpacking linux-modules-extra-6.8.0-63-generic (6.8.0-63.66) ...
Preparing to unpack .../13-linux-generic_6.8.0-63.66_amd64.deb ...
Unpacking linux-generic (6.8.0-63.66) over (6.8.0-62.65) ...
Preparing to unpack .../14-linux-image-generic_6.8.0-63.66_amd64.deb ...
Unpacking linux-image-generic (6.8.0-63.66) over (6.8.0-62.65) ...
Selecting previously unselected package linux-headers-6.8.0-63.
Preparing to unpack .../15-linux-headers-6.8.0-63_6.8.0-63.66_all.deb ...
Unpacking linux-headers-6.8.0-63 (6.8.0-63.66) ...
Selecting previously unselected package linux-headers-6.8.0-63-generic.
Preparing to unpack .../16-linux-headers-6.8.0-63-generic_6.8.0-63.66_amd64.deb ...
Unpacking linux-headers-6.8.0-63-generic (6.8.0-63.66) ...
Preparing to unpack .../17-linux-headers-generic_6.8.0-63.66_amd64.deb ...
Unpacking linux-headers-generic (6.8.0-63.66) over (6.8.0-62.65) ...
Preparing to unpack .../18-linux-libc-dev_6.8.0-63.66_amd64.deb ...
Unpacking linux-libc-dev:amd64 (6.8.0-63.66) over (6.8.0-62.65) ...
Preparing to unpack .../19-linux-tools-common_6.8.0-63.66_all.deb ...
Unpacking linux-tools-common (6.8.0-63.66) over (6.8.0-62.65) ...
Selecting previously unselected package linux-tools-6.8.0-63.
Preparing to unpack .../20-linux-tools-6.8.0-63_6.8.0-63.66_amd64.deb ...
Unpacking linux-tools-6.8.0-63 (6.8.0-63.66) ...
Selecting previously unselected package linux-tools-6.8.0-63-generic.
Preparing to unpack .../21-linux-tools-6.8.0-63-generic_6.8.0-63.66_amd64.deb ...
Unpacking linux-tools-6.8.0-63-generic (6.8.0-63.66) ...
Setting up libpciaccess0:amd64 (0.17-3ubuntu0.24.04.2) ...
Setting up libpciaccess0:i386 (0.17-3ubuntu0.24.04.2) ...
Setting up linux-headers-6.8.0-63 (6.8.0-63.66) ...
Setting up libfwupd2:amd64 (1.9.30-0ubuntu1~24.04.1) ...
Setting up linux-modules-6.8.0-63-generic (6.8.0-63.66) ...
Setting up linux-libc-dev:amd64 (6.8.0-63.66) ...
Setting up mutter-common (46.2-1ubuntu0.24.04.9) ...
Setting up linux-image-6.8.0-63-generic (6.8.0-63.66) ...
I: /boot/vmlinuz.old is now a symlink to vmlinuz-6.8.0-62-generic
I: /boot/initrd.img.old is now a symlink to initrd.img-6.8.0-62-generic
I: /boot/vmlinuz is now a symlink to vmlinuz-6.8.0-63-generic
I: /boot/initrd.img is now a symlink to initrd.img-6.8.0-63-generic
Setting up sudo (1.9.15p5-3ubuntu5.24.04.1) ...
Setting up mutter-common-bin (46.2-1ubuntu0.24.04.9) ...

Setting up brave-browser (1.80.115) ...
Setting up linux-headers-6.8.0-63-generic (6.8.0-63.66) ...
/etc/kernel/header_postinst.d/dkms:
Sign command: /usr/bin/kmodsign
Signing key: /var/lib/shim-signed/mok/MOK.priv
Public certificate (MOK): /var/lib/shim-signed/mok/MOK.der

Autoinstall of module nvidia/575.51.03 for kernel 6.8.0-63-generic (x86_64)
Building module(s)..... done.
Signing module /var/lib/dkms/nvidia/575.51.03/build/nvidia.ko
Signing module /var/lib/dkms/nvidia/575.51.03/build/nvidia-modeset.ko
Signing module /var/lib/dkms/nvidia/575.51.03/build/nvidia-drm.ko
Signing module /var/lib/dkms/nvidia/575.51.03/build/nvidia-uvm.ko
Signing module /var/lib/dkms/nvidia/575.51.03/build/nvidia-peermem.ko
Installing /lib/modules/6.8.0-63-generic/updates/dkms/nvidia.ko.zst
Installing /lib/modules/6.8.0-63-generic/updates/dkms/nvidia-modeset.ko.zst
Installing /lib/modules/6.8.0-63-generic/updates/dkms/nvidia-drm.ko.zst
Installing /lib/modules/6.8.0-63-generic/updates/dkms/nvidia-uvm.ko.zst
Installing /lib/modules/6.8.0-63-generic/updates/dkms/nvidia-peermem.ko.zst
Running depmod... done.

Autoinstall on 6.8.0-63-generic succeeded for module(s) nvidia.
Setting up linux-modules-extra-6.8.0-63-generic (6.8.0-63.66) ...
Setting up linux-tools-common (6.8.0-63.66) ...
Setting up fwupd (1.9.30-0ubuntu1~24.04.1) ...
fwupd-offline-update.service is a disabled or a static unit not running, not starting it.
fwupd-refresh.service is a disabled or a static unit not running, not starting it.
fwupd.service is a disabled or a static unit not running, not starting it.
Setting up linux-image-generic (6.8.0-63.66) ...
Setting up linux-headers-generic (6.8.0-63.66) ...
Setting up linux-tools-6.8.0-63 (6.8.0-63.66) ...
Setting up linux-generic (6.8.0-63.66) ...
Setting up linux-tools-6.8.0-63-generic (6.8.0-63.66) ...
Processing triggers for desktop-file-utils (0.27-2build1) ...
Processing triggers for hicolor-icon-theme (0.17-2) ...
Processing triggers for gnome-menus (3.36.0-1.1ubuntu3) ...
Processing triggers for libc-bin (2.39-0ubuntu8.4) ...
Processing triggers for man-db (2.12.0-4build2) ...
Processing triggers for libglib2.0-0t64:amd64 (2.80.0-6ubuntu3.4) ...
Setting up libmutter-14-0:amd64 (46.2-1ubuntu0.24.04.9) ...
Processing triggers for dbus (1.14.10-4ubuntu4.1) ...
Setting up gir1.2-mutter-14:amd64 (46.2-1ubuntu0.24.04.9) ...
Processing triggers for linux-image-6.8.0-63-generic (6.8.0-63.66) ...
/etc/kernel/postinst.d/initramfs-tools:

```
update-initramfs: Generating /boot/initrd.img-6.8.0-63-generic
/etc/kernel/postinst.d/zz-update-grub:
Sourcing file `/etc/default/grub'
Generating grub configuration file ...
Found linux image: /boot/vmlinuz-6.8.0-63-generic
Found initrd image: /boot/initrd.img-6.8.0-63-generic
Found linux image: /boot/vmlinuz-6.8.0-62-generic
Found initrd image: /boot/initrd.img-6.8.0-62-generic
Found linux image: /boot/vmlinuz-6.8.0-60-generic
Found initrd image: /boot/initrd.img-6.8.0-60-generic
Found memtest86+ 64bit EFI image: /boot/memtest86+x64.efi
Warning: os-prober will not be executed to detect other bootable partitions.
Systems on them will not be added to the GRUB boot configuration.
Check GRUB_DISABLE_OS_PROBER documentation entry.
Adding boot menu entry for UEFI Firmware Settings ...
done
```

```
Processing triggers for libc-bin (2.39-0ubuntu8.4) ...
```

```
(base) intern@dse-MS-7D09:~$ vncpasswd
```

```
Password:
```

```
Password must be at least 6 characters - try again
```

```
Password:
```

```
Verify:
```

```
Would you like to enter a view-only password (y/n)? n
```

```
A view-only password is not used
```

```
(base) intern@dse-MS-7D09:~$ vncserver
```

```
New Xtigervnc server 'dse-MS-7D09:2 (intern)' on port 5902 for display :2.
```

```
Use xtigervncviewer -SecurityTypes VncAuth -passwd /tmp/tigervnc.hONiuP/passwd :2 to
connect to the VNC server.
```

```
===== tail /home/intern/.vnc/dse-MS-7D09:2.log =====
```

```
The XKEYBOARD keymap compiler (xkbcomp) reports:
```

```
> Warning:      Could not resolve keysym XF86CameraAccessEnable
> Warning:      Could not resolve keysym XF86CameraAccessDisable
> Warning:      Could not resolve keysym XF86CameraAccessToggle
> Warning:      Could not resolve keysym XF86NextElement
> Warning:      Could not resolve keysym XF86PreviousElement
> Warning:      Could not resolve keysym XF86AutopilotEngageToggle
> Warning:      Could not resolve keysym XF86MarkWaypoint
> Warning:      Could not resolve keysym XF86Sos
> Warning:      Could not resolve keysym XF86NavChart
> Warning:      Could not resolve keysym XF86FishingChart
> Warning:      Could not resolve keysym XF86SingleRangeRadar
```

```
> Warning:      Could not resolve keysym XF86DualRangeRadar
> Warning:      Could not resolve keysym XF86RadarOverlay
> Warning:      Could not resolve keysym XF86TraditionalSonar
> Warning:      Could not resolve keysym XF86ClearvuSonar
> Warning:      Could not resolve keysym XF86SidevuSonar
> Warning:      Could not resolve keysym XF86NavInfo
Errors from xkbcomp are not fatal to the X server
/home/intern/.profile: line 28: /home/intern/.cargo/env: No such file or directory
X connection to :2 broken (explicit kill or server shutdown).
```

Wed Jul 2 16:13:25 2025

ComparingUpdateTracker: 0 pixels in / 0 pixels out

ComparingUpdateTracker: (1:-nan ratio)

Killing Xtigervnc process ID 49025... success!

```
=====
=====
```

Session startup via '/etc/X11/Xtigervnc-session' cleanly exited too early (< 3 seconds)!

Maybe try something simple first, e.g.,

```
tigervncserver -xstartup /usr/bin/xterm
```

The X session cleanly exited!

The Xtigervnc server cleanly exited!

```
(base) intern@dse-MS-7D09:~$ tigervncserver -xstartup /usr/bin/xterm
```

New Xtigervnc server 'dse-MS-7D09:2 (intern)' on port 5902 for display :2.

Use xtigervncviewer -SecurityTypes VncAuth -passwd /tmp/tigervnc.AzWrpO/passwd :2 to connect to the VNC server.

tigervncserver: Can't exec '/usr/bin/xterm': No such file or directory

```
===== tail /home/intern/.vnc/dse-MS-7D09:2.log =====
```

```
Can't exec "/usr/bin/xterm": No such file or directory at /usr/share/perl5/TigerVNC/Wrapper.pm
line 1326.
```

```
=====
=====
```

Session startup via '/usr/bin/xterm' exited with status 1!

Maybe try something simple first, e.g.,

```
tigervncserver -xstartup /usr/bin/xterm
```

The X session exited with status 1!

Killing Xtigervnc process ID 49225... success!

```
(base) intern@dse-MS-7D09:~$ sudo apt update
```


`sudo apt install xterm`

```
Hit:1 https://download.docker.com/linux/ubuntu noble InRelease
Hit:2 https://packages.microsoft.com/repos/vscode stable InRelease
Hit:3 https://packages.microsoft.com/repos/code stable InRelease
Hit:4 https://nvidia.github.io/libnvidia-container/experimental/deb/amd64 InRelease
Get:5 https://nvidia.github.io/libnvidia-container/experimental/ubuntu18.04/amd64 InRelease
[1,503 B]
Hit:6 http://security.ubuntu.com/ubuntu noble-security InRelease
Get:7 https://nvidia.github.io/libnvidia-container/stable/ubuntu18.04/amd64 InRelease [1,484 B]
Hit:8 http://in.archive.ubuntu.com/ubuntu noble InRelease
Hit:9 https://brave-browser-apt-release.s3.brave.com stable InRelease
Hit:10 http://in.archive.ubuntu.com/ubuntu noble-updates InRelease
Hit:11 http://in.archive.ubuntu.com/ubuntu noble-backports InRelease
Hit:12 https://ppa.launchpadcontent.net/deadsnakes/ppa/ubuntu noble InRelease
Fetched 2,987 B in 2s (1,602 B/s)
Reading package lists... Done
Building dependency tree... Done
Reading state information... Done
1 package can be upgraded. Run 'apt list --upgradable' to see it.
W: https://packages.microsoft.com/repos/vscode/dists/stable/InRelease: Key is stored in legacy
trusted.gpg keyring (/etc/apt/trusted.gpg), see the DEPRECATION section in apt-key(8) for
details.
N: Skipping acquire of configured file 'main/binary-i386/Packages' as repository
'https://packages.microsoft.com/repos/vscode stable InRelease' doesn't support architecture
'i386'
N: Skipping acquire of configured file 'main/binary-i386/Packages' as repository
'https://brave-browser-apt-release.s3.brave.com stable InRelease' doesn't support architecture
'i386'
Reading package lists... Done
Building dependency tree... Done
Reading state information... Done
The following packages were automatically installed and are no longer required:
  libgit2-1.7 libhttp-parser2.9 libssh2-1t64 libstd-rust-1.75 libstd-rust-dev linux-headers-6.8.0-60
linux-headers-6.8.0-60-generic linux-image-6.8.0-60-generic
  linux-modules-6.8.0-60-generic linux-modules-extra-6.8.0-60-generic linux-tools-6.8.0-60
linux-tools-6.8.0-60-generic
Use 'sudo apt autoremove' to remove them.
The following additional packages will be installed:
  libutempter0
Suggested packages:
  xfonts-cyrillic
Recommended packages:
  luit | x11-utils
The following NEW packages will be installed:
```

```
libutempter0 xterm
0 upgraded, 2 newly installed, 0 to remove and 1 not upgraded.
Need to get 893 kB of archives.
After this operation, 2,556 kB of additional disk space will be used.
Do you want to continue? [Y/n] y
Get:1 http://in.archive.ubuntu.com/ubuntu noble/main amd64 libutempter0 amd64 1.2.1-3build1
[9,606 B]
Get:2 http://in.archive.ubuntu.com/ubuntu noble/universe amd64 xterm amd64 390-1ubuntu3
[883 kB]
Fetched 893 kB in 2s (442 kB/s)
Selecting previously unselected package libutempter0:amd64.
(Reading database ... 339829 files and directories currently installed.)
Preparing to unpack .../libutempter0_1.2.1-3build1_amd64.deb ...
Unpacking libutempter0:amd64 (1.2.1-3build1) ...
Selecting previously unselected package xterm.
Preparing to unpack .../xterm_390-1ubuntu3_amd64.deb ...
Unpacking xterm (390-1ubuntu3) ...
Setting up libutempter0:amd64 (1.2.1-3build1) ...
Setting up xterm (390-1ubuntu3) ...
Processing triggers for hicolor-icon-theme (0.17-2) ...
Processing triggers for gnome-menus (3.36.0-1.1ubuntu3) ...
Processing triggers for libc-bin (2.39-0ubuntu8.4) ...
Processing triggers for man-db (2.12.0-4build2) ...
Processing triggers for desktop-file-utils (0.27-2build1) ...
(base) intern@dse-MS-7D09:~$ tigervncserver -xstartup /usr/bin/xterm
```

New Xtigervnc server 'dse-MS-7D09:2 (intern)' on port 5902 for display :2.
Use xtigervncviewer -SecurityTypes VncAuth -passwd /tmp/tigervnc.6U4KpO/passwd :2 to
connect to the VNC server.

```
(base) intern@dse-MS-7D09:~$ xtigervncviewer -SecurityTypes VncAuth -passwd
/tmp/tigervnc.6U4KpO/passwd :2
```

Command 'xtigervncviewer' not found, but can be installed with:

```
sudo apt install tigervnc-viewer
```

```
(base) intern@dse-MS-7D09:~$ sudo apt install tigervnc-viewer
```

Reading package lists... Done

Building dependency tree... Done

Reading state information... Done

The following packages were automatically installed and are no longer required:

libgit2-1.7 libhttp-parser2.9 libssh2-1t64 libstd-rust-1.75 libstd-rust-dev linux-headers-6.8.0-60

linux-headers-6.8.0-60-generic linux-image-6.8.0-60-generic

linux-modules-6.8.0-60-generic linux-modules-extra-6.8.0-60-generic linux-tools-6.8.0-60

linux-tools-6.8.0-60-generic

Use 'sudo apt autoremove' to remove them.

The following additional packages will be installed:

libfltk-images1.3t64 libfltk1.3t64

The following NEW packages will be installed:

libfltk-images1.3t64 libfltk1.3t64 tigervnc-viewer

0 upgraded, 3 newly installed, 0 to remove and 1 not upgraded.

Need to get 954 kB of archives.

After this operation, 2,843 kB of additional disk space will be used.

Do you want to continue? [Y/n] y

Get:1 [http://in.archive.ubuntu.com/ubuntu/noble/universe amd64 libfltk1.3t64 amd64](http://in.archive.ubuntu.com/ubuntu/noble/universe/amd64/libfltk1.3t64/amd64)

1.3.8-6.1build2 [606 kB]

Get:2 [http://in.archive.ubuntu.com/ubuntu/noble/universe amd64 libfltk-images1.3t64 amd64](http://in.archive.ubuntu.com/ubuntu/noble/universe/amd64/libfltk-images1.3t64/amd64)

1.3.8-6.1build2 [28.3 kB]

Get:3 [http://in.archive.ubuntu.com/ubuntu/noble/universe amd64 tigervnc-viewer amd64](http://in.archive.ubuntu.com/ubuntu/noble/universe/amd64/tigervnc-viewer/amd64)

1.13.1+dfsg-2build2 [320 kB]

Fetched 954 kB in 5s (211 kB/s)

Selecting previously unselected package libfltk1.3t64:amd64.

(Reading database ... 339888 files and directories currently installed.)

Preparing to unpack .../libfltk1.3t64_1.3.8-6.1build2_amd64.deb ...

Unpacking libfltk1.3t64:amd64 (1.3.8-6.1build2) ...

Selecting previously unselected package libfltk-images1.3t64:amd64.

Preparing to unpack .../libfltk-images1.3t64_1.3.8-6.1build2_amd64.deb ...

Unpacking libfltk-images1.3t64:amd64 (1.3.8-6.1build2) ...

Selecting previously unselected package tigervnc-viewer.

Preparing to unpack .../tigervnc-viewer_1.13.1+dfsg-2build2_amd64.deb ...

Unpacking tigervnc-viewer (1.13.1+dfsg-2build2) ...

Setting up libfltk1.3t64:amd64 (1.3.8-6.1build2) ...

Setting up libfltk-images1.3t64:amd64 (1.3.8-6.1build2) ...

Setting up tigervnc-viewer (1.13.1+dfsg-2build2) ...

update-alternatives: using /usr/bin/xtigervncviewer to provide /usr/bin/vncviewer (vncviewer) in auto mode

Processing triggers for hicolor-icon-theme (0.17-2) ...

Processing triggers for gnome-menus (3.36.0-1ubuntu3) ...

Processing triggers for libc-bin (2.39-0ubuntu8.4) ...

Processing triggers for man-db (2.12.0-4build2) ...

Processing triggers for desktop-file-utils (0.27-2build1) ...

(base) [intern@dse-MS-7D09:~\\$ xtigervncviewer -SecurityTypes VncAuth -passwd /tmp/tigervnc.6U4KpO/passwd :2](#)

TigerVNC Viewer v1.13.1

Built on: 2024-04-01 08:26

Copyright (C) 1999-2022 TigerVNC Team and many others (see README.rst)

See <https://www.tigervnc.org> for information on TigerVNC.

Wed Jul 2 16:16:30 2025

DecodeManager: Detected 16 CPU core(s)
DecodeManager: Creating 4 decoder thread(s)
CConn: Connected to host localhost port 5902
CConnection: Server supports RFB protocol version 3.8
CConnection: Using RFB protocol version 3.8
CConnection: Choosing security type VncAuth(2)
DesktopWindow: Reducing window size to fit on current monitor
CConn: Using pixel format depth 24 (32bpp) little-endian rgb888
CConnection: Enabling continuous updates

Wed Jul 2 16:16:41 2025

DecodeManager: raw: 2 rects, 0 pixels
DecodeManager: 24 B (1:1 ratio)
DecodeManager: Tight: 16 rects, 2.9841 Mpixels
DecodeManager: 895 B (1:13337 ratio)
DecodeManager: Total: 18 rects, 2.9841 Mpixels
DecodeManager: 919 B (1:12988.7 ratio)