

**NAME**

Xwayland – an X server for running X clients under Wayland.

**SYNOPSIS**

**Xwayland** [option ...]

**DESCRIPTION**

*Xwayland* is an X server and a Wayland client. It plays the role of a proxy between legacy X clients which do not support the Wayland protocols and the Wayland server.

Usually, *Xwayland* is spawned automatically by the Wayland server and runs rootless so that X clients integrate seamlessly with the rest of the Wayland desktop. It is however possible for a user to launch Xwayland non-rootless, mainly for testing purposes.

Like all of the X servers, *Xwayland* accepts the command line options described in the *Xserver(7)* manual page. The following additional arguments are supported as well.

**–eglstream**

Use EGLStream backend for NVidia GPUs. If *Xwayland* was compiled with EGLStream support, this option will instruct *Xwayland* to try that backend first, then fallback to the GBM backend if EGLStream is not supported by the Wayland server. Without this option, *Xwayland* tries the GBM backend first, and fallback to EGLStream if GBM is not usable.

**–initfd *fd***

Add the given *fd* as a listen socket for initialization of X clients. This options is aimed at *Wayland* servers which run *Xwayland* on-demand, to be able to spawn specific X clients which need to complete before other regular X clients can connect to *Xwayland*, like *xrdb*.

**–listen *fd***

deprecated, use *–listenfd* instead.

**–listenfd *fd***

Add given *fd* as a listen socket. This option is used by the *Wayland* server to pass *Xwayland* the socket where X clients connect.

**–noTouchPointerEmulation**

Disable touch pointer emulation. This allows the Wayland compositor to implement its own pointer emulation mechanism for X11 clients that don't support touch input.

**–rootless**

Run *Xwayland* rootless, so that X clients integrate seamlessly with Wayland clients in a Wayland desktop. That requires the Wayland server to be an X window manager as well.

**–shm**

Force the shared memory backend instead of glamor (if available) for passing buffers to the Wayland server.

**–verbose [*n*]**

Sets the verbosity level for information printed on stderr. If then *v* alue isn't supplied, each occurrence of this option increments the verbosity level. When then *v* alue is supplied, the verbosity level is set to that value. The default verbosity level is 0.

**–version**

Show the server version and exit.

**–wm *fd***

This option is used by the *Wayland* server to pass *Xwayland* the socket where the X window manager client connects, when *Xwayland* is running with *–rootless*.

**ENVIRONMENT****WAYLAND\_DISPLAY**

the name of the display of the Wayland server.

**XWAYLAND\_NO\_GLAMOR**

disable glamor and DRI3 support in *Xwayland*, for testing purposes.

**SEE ALSO**

General information: *X*(7)