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### ***Rocky Enterprise Linux 9.2 Manual Pages on command 'Xephyr.1'***

#### ***\$ man Xephyr.1***

Xephyr(1)                      General Commands Manual                      Xephyr(1)

#### **NAME**

Xephyr - X server outputting to a window on a pre-existing X display

#### **SYNOPSIS**

Xephyr [:display] [option ...]

#### **DESCRIPTION**

Xephyr is a kdrive server that outputs to a window on a pre-existing "host" X display.

Think Xnest but with support for modern extensions like composite, damage and randr.

Unlike Xnest which is an X proxy, i.e. limited to the capabilities of the host X server,

Xephyr is a real X server which uses the host X server window as "framebuffer" via fast SHM XImages.

It also has support for "visually" debugging what the server is painting.

#### **OPTIONS**

The server accepts all the standard options of Xserver(1) and the following additional op?

tions:

-screen widthxheight

sets the screen size.

-parent id

uses existing window id . If a -screen argument follows a -parent argument, this screen is embedded into the given window.

-host-cursor

set 'cursor acceleration': The host's cursor is reused. This is only really there

to aid debugging by avoiding server paints for the cursor. Performance improvement

is negligible.

-resizeable

Allow the Xephyr window to be resized, even if not embedded into a parent window.

By default, the Xephyr window has a fixed size.

-no-host-grab

Disable grabbing the keyboard and mouse.

## SIGNALS

Send a SIGUSR1 to the server (e.g. `pkill -USR1 Xephyr`) to toggle the debugging mode. In this mode red rectangles are painted to screen areas getting painted before painting the actual content. The delay between this can be altered by setting a `XEPHYR_PAUSE` env var to a value in micro seconds.

## CAVEATS

? Rotated displays are currently updated via full blits. This is slower than a normal oriented display. Debug mode will therefore not be of much use rotated.

? The '-host-cursor' cursor is static in its appearance.

? The build gets a warning about 'nanosleep'. I think the various '-D' build flags are causing this. I haven't figured as yet how to work round it. It doesn't appear to break anything however.

? Keyboard handling is basic but works.

? Mouse button 5 probably won't work.

## SEE ALSO

X(7), Xserver(1)

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X Version 11

xorg-server 21.1.4

Xephyr(1)