NAME

Xsun – Solaris server for X Version 11

SYNOPSIS

Xsun [option] ...

DESCRIPTION

Xsun is the Solaris server for Version 11 of the X window system on Solaris hardware. It is normally started by **xinit**(1) via **openwin**(1).

NETWORK CONNECTIONS

In addition to the network connections described in **Xserver**(1), **Xsun** provides the following connection:

Shared Memory

Sun provides a shared memory transport mechanism via the SUN_SME extension. This extension provides the capability of sending client requests to the server via shared memory. Shared memory is used for client requests only. Replies from the server and events are sent via the default transport mechanism. To enable this transport mechanism, one has to set the DISPLAY environment variable to :x.y (where x is the display number and y is the screen number), and the environment variable XSUNTRANSPORT to "shmem". The size of the segment can be set by setting enviroment variable XSUNSMESIZE. By default, it is set to "64" which implies that the size of the shared memory segment is 64K.

OPTIONS

In addition to the options described in **Xserver**(1), **Xsun** accepts the following command-line switches:

–**dev** *filename*

This option specifies the name of the framebuffer device file to be used instead of the default framebuffer /dev/fb. Multiple instances of this option indicate multiple screens on the same server. After each **-dev** option a list of modifiers changes the behavior of the named device.

[*left* | *right* | *top* | *bottom*]

Specify the position of a given screen in relation to the previous one on the command line. The default *right*.

dpix n The dpi in the x direction for this screen is *n*. The default is 90.

dpiy n The dpi in the y direction for this screen is *n*. The default is 90.

defclass [*GrayScale* | *StaticGray* | *PseudoColor* | *StaticColor* | *DirectColor* | *TrueColor*] Use the specified visual as the default visual. The default is device dependent.

defdepth n

A visual of depth n is the default visual. The default is device dependent.

grayvis Only report GrayScale and/or StaticGray visuals.

The following is an example of the -dev option that might be used on a system with a cg6 and a bw2:

-dev /dev/cgsix0 defclass GrayScale -dev /dev/bwtwo0 right

The **Xsun** server also supports the format used by the X11R5 sample X Server. Multiple screen systems are specified by using the following syntax on the command line:

-dev <device 1>:<device 2>:...:<device n>

The server uses device 1 as screen 0, device 2 as screen 1, etc., and the server assumes that screens are ordered left to right in ascending screen number. This means that the cursor moves off the right side of screen n and onto the left side of screen n + 1. When this format is used, no other **-dev** options are valid.

– **accessX**
This option enables activation of the slowkey and stickykey functionality of the *AccessX* extension using the shift key on the keyboard.

–**ar1** *milliseconds*
Specify amount of time in milliseconds before a pressed key begins to autorepeating. The default is 500 milliseconds. This option is not available on Solaris x86 or PowerPC.

–**ar2** *milliseconds*
specify the interval in milliseconds between autorepeats of pressed keys. The default is 50 milliseconds. This option is not available on Solaris x86 or PowerPC.

–**banner**
Display the OpenWindows banner screen at startup. The banner is displayed by default.

–**dur** *milliseconds*
Set the duration of the bell in units of milliseconds. Default is 100.

–**dpsfileops**
Allow the Display PostScript file operators access to the UNIX file system.

–**flipPixels**
Reverse black and white pixel locations in the colormap. This is not the same as a reverse video option.

–**pit** *percentage*
Set the percentage of the maximum pitch available to the hardware. Sun hardware does not support alternative pitch values.

–**mden** *denominator*
Set the pointer acceleration denominator. The acceleration numerator is set with the -a option described in **Xserver**(1). This permits fractional acceleration such as 3/2 or 1.5. Default value is 1.

–**nobanner**

Do not display the OpenWindows banner screen at startup.

–nominexp
This option is used to disable "minimized exposure", which is used only by multi-planegroup devices such as gt, cg12 and cg8. "Minimized Exposure" means that the server will not send expose events to windows in one planegroup that are exposed by windows in another planegroup. By default the minimized exposure feature is turned ON.

–sharedretainedpath *directory_path*
This option is currently supported only for Sun internal software APIs.

SEE ALSO

openwin(1), **X11**(7), **Xserver**(1), **xdm**(1), **xinit**(1)