

NAME

axdpyinfo – show information about the X11 server and display

SYNOPSIS

axdpyinfo [**-help**] [**-version**] [**-display** *address*] [**-xauthfile** *file*] [**-xauthtype** *type*] [**-xauthindex** *index*]

DESCRIPTION

Axdpyinfo connects to an X11 server and prints information about its configuration. Its function is similar to the **xdpyinfo**(1) program.

OPTIONS

-h, -help, --help

Print a brief usage summary and exit.

-V, -version, --version

Print version and copyright information and exit.

The following options control the X11 connection:

-d, -display

The *address* argument specifies the X11 server endpoint to connect to. It can have one of the following forms:

ip or *ip:port*

IPv4 address. If *:port* is omitted, a default of 6000 is assumed.

[*ip6*] or [*ip6*]:*port*

IPv6 address. Default port: 6000.

filename

Unix domain socket.

Without this option, **axdpyinfo** will attempt to connect via the Unix domain socket **/tmp/.X11-unix/X0**.

Note that this form differs from the standard **DISPLAY** format for X11 programs, and that the **DISPLAY** environment variable is ignored. The main reason for this (and for having the **-xauth*** options) is that **axdpyinfo** cannot resolve host names.

-xaf, -xauthfile

Choose which file to load X11 authentication data from. Without this option, the file name is determined from the environment (see the **ENVIRONMENT** section below). If the file cannot be loaded or no matching entry is found within it, **axdpyinfo** will attempt to connect with no authentication.

-xat, -xauthtype

When searching the *.Xauthority* file, only consider entries of the given *type*. It corresponds to the "family" field in **<X11/Xauth.h>** and the type of network layer used to connect to the display. Potentially useful values are: **-1** to match any type of entry, **0** for an IPv4 entry, **6** for an IPv6 entry, and **256** for a local (Unix domain socket) entry. The default value is **256**, which is useful in combination with the default value for the **-display** option (see above).

-xai, -xauthindex

When searching the *.Xauthority* file, the (*index+1*)'st entry of the matching type is used to authenticate. For example, if *type* is **256** and the *index* is **1**, the second local (Unix domain socket) entry will be chosen. The default index is **0**.

ENVIRONMENT

HOME

If **\$XAUTHORITY** is not set and no **-xauthfile** option is given, X11 authentication data is loaded from **\$HOME/.Xauthority**.

XAUTHORITY

If set and no **-xauthfile** option is given, X11 authentication data is loaded from this file.

NOTES

Axdpyinfo is written in a custom programming language called Asterix, without using the Xlib (or xcb) library normally used for X11 client programs; as such it has some limitations that X11 programs normally don't have.

KNOWN ISSUES AND LIMITATIONS

The **DISPLAY** environment variable is ignored.

For X11 authentication, only **MIT-MAGIC-COOKIE-1** keys are supported.

Exit codes are somewhat arbitrary and undocumented.

(See **aximgview(1)** for more detailed information.)

LEGAL INFORMATION

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SEE ALSO

aximgview(1), **xdpyinfo(1)**