

NAME

X11::Auth – Perl module to read X11 authority files

SYNOPSIS

```
require X11::Auth;
$a = new X11::Auth;
($auth_type, $auth_data) = $a->get_by_host($host, $disp_num);
```

DESCRIPTION

This module is an approximate perl replacement for the libXau C library and the **xauth**(1) program. It reads and interprets the files (usually '~/.Xauthority') that hold authorization data used in connecting to X servers. Since it was written mainly for the use of X11::Protocol, its functionality is currently restricted to reading, not writing, of these files.

METHODS**new**

```
$auth = X11::Auth->new;
$auth = X11::Auth->open($filename);
```

Open an authority file, and create an object to handle it. The filename will be taken from the XAUTHORITY environment variable, if present, or '.Xauthority' in the user's home directory, or it may be overridden by an argument. 'open' may be used as a synonym.

get_one

```
($family, $host_addr, $display_num, $auth_name, $auth_data)
= $auth->get_one;
```

Read one entry from the file. Returns a null list at end of file. \$family is usually 'Internet' or 'Local', and \$display_num can be any string.

get_all

```
@auth_data = $auth->get_all;
```

Read all of the entries in the file. Each member of the array returned is an array ref similar to the list returned by **get_one**().

get_by_host

```
($auth_name, $auth_data)
= $auth->get_by_host($host, $family, $display_num);
```

Get authentication data for a connection of type \$family to display \$display_num on \$host. If \$family is 'Internet', the host will be translated into an appropriate address by **gethostbyname**(). If no data is found, returns an empty list.

COMPATIBILITY

The following table shows the (rough) correspondence between libXau calls and X11::Auth methods:

libXau	X11::Auth
-----	-----
XauFileName	\$ENV{XAUTHORITY}
	"\$ENV{HOME}/.Xauthority"
fopen(XauFileName(), "rb")	\$auth = new X11::Auth
XauReadAuth	\$auth->get_one
XauWriteAuth	
XauGetAuthByAddr	\$auth->get_by_host
XauGetBestAuthByAddr	
XauLockAuth	
XauUnlockAuth	
XauDisposeAuth	

AUTHOR

Stephen McCamant <SMCCAM@cpan.org>

SEE ALSO

perl (1), X11::Protocol, **Xau** (3), **xauth** (1), lib/Xau/README in the X11 source distribution.