NAME

X11::Protocol::Connection – Perl module abstract base class for X11 client to server connections

SYNOPSIS

```
# In connection object module
package X11::Protocol::Connection::CarrierPigeon;
use X11::Protocol::Connection;
@ISA = ('X11::Protocol::Connection');
sub open { ... }
sub give { ... }
sub get { ... }
sub fh { ... }
...

# In program
$connection = X11::Protocol::Connection::CarrierPigeon
  ->open($host, $display_number);
$x = X11::Protocol->new($connection);

$connection->give($data);

$reply = unpack("I", $connection->get(4));

use IO::Select;
$sel = IO::select->new($connection->fh);
if ($sel->can_read == $connection->fh) ...
```

DESCRIPTION

This module is an abstract base class for the various X11::Protocol::Connection::* modules that provide connections to X servers for the X11::Protocol module. It provides stubs for the following methods:

open

```
$conn = X11::Protocol::Connection::Foo->open($host, $display_num)
```

Open a connection to the specified display (numbered from 0) on the specified `$host`.

give

```
$conn->give($data)
```

Send the given data to the server. Normally, this method is used only by the protocol module itself.

get

```
$data = $conn->get($n)
```

Read $n bytes of data from the server. Normally, this method is used only by the protocol module itself.

fh

```
$filehandle = $conn->fh
```

Return an object suitable for use as a filehandle. This is mainly useful for doing **select()** and other such system calls.

AUTHOR

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SEE ALSO

perl(1), X11::Protocol, X11::Protocol::Connection::Socket, X11::Protocol::Connection::FileHandle, X11::Protocol::Connection::INETSocket, X11::Protocol::Connection::UNIXSocket, X11::Protocol::Connection::INETFH, X11::Protocol::Connection::UNIXFH.