

NAME

IO::Pipe - supply object methods for pipes

SYNOPSIS

```
use IO::Pipe;

$pipe = IO::Pipe->new();

if($pid = fork()) { # Parent
    $pipe->reader();

    while(<$pipe>) {
        ...
    }
}
elseif(defined $pid) { # Child
    $pipe->writer();

    print $pipe ...
}

or

$pipe = IO::Pipe->new();

$pipe->reader(qw(ls -l));

while(<$pipe>) {
    ...
}
```

DESCRIPTION

IO::Pipe provides an interface to creating pipes between processes.

CONSTRUCTOR

`new ([READER, WRITER])`

Creates an `IO::Pipe`, which is a reference to a newly created symbol (see the `Symbol` package). `IO::Pipe::new` optionally takes two arguments, which should be objects blessed into `IO::Handle`, or a subclass thereof. These two objects will be used for the system call to `pipe`. If no arguments are given then method `handles` is called on the new `IO::Pipe` object.

These two handles are held in the array part of the GLOB until either `reader` or `writer` is called.

METHODS

`reader ([ARGS])`

The object is re-blessed into a sub-class of `IO::Handle`, and becomes a handle at the reading end of the pipe. If `ARGS` are given then `fork` is called and `ARGS` are passed to `exec`.

`writer ([ARGS])`

The object is re-blessed into a sub-class of `IO::Handle`, and becomes a handle at the writing end of the pipe. If `ARGS` are given then `fork` is called and `ARGS` are passed to `exec`.

`handles ()`

This method is called during construction by `IO::Pipe::new` on the newly created `IO::Pipe` object. It returns an array of two objects blessed into `IO::Pipe::End`, or a subclass thereof.

SEE ALSO

IO::Handle

AUTHOR

Graham Barr. Currently maintained by the Perl Porters. Please report all bugs to [<perl5-porters@perl.org>](mailto:perl5-porters@perl.org).

COPYRIGHT

Copyright (c) 1996-8 Graham Barr [<gbarr@pobox.com>](mailto:gbarr@pobox.com). All rights reserved. This program is free software; you can redistribute it and/or modify it under the same terms as Perl itself.