

**NAME**

PerlIO::encoding - encoding layer

**SYNOPSIS**

```
use PerlIO::encoding;

open($f, "<:encoding(foo)", "infoo");
open($f, ">:encoding(bar)", "outbar");

use Encode qw(:fallbacks);
$PerlIO::encoding::fallback = FB_PERLQQ;
```

**DESCRIPTION**

This PerlIO layer opens a filehandle with a transparent encoding filter.

On input, it converts the bytes expected to be in the specified character set and encoding to Perl string data (Unicode and Perl's internal Unicode encoding, UTF-8). On output, it converts Perl string data into the specified character set and encoding.

When the layer is pushed, the current value of `$PerlIO::encoding::fallback` is saved and used as the CHECK argument when calling the Encode methods *encode()* and *decode()*.

**SEE ALSO**

open, Encode, "binmode" in [perlfunc\(1\)](#), [perluniintro\(1\)](#)