

**NAME**

File::MimeInfo::Magic – Determine file type with magic

**SYNOPSIS**

```
use File::MimeInfo::Magic;
my $mime_type = mimetype($file);
```

**DESCRIPTION**

This module inherits from File::MimeInfo, it is transparent to its functions but adds support for the freedesktop magic file.

Magic data is hashed when you need it for the first time. If you want to force hashing earlier use the `rehash()` function.

**EXPORT**

The method `mimetype` is exported by default. The methods `magic`, `inodetype`, `globs` and `describe` can be exported on demand.

**METHODS**

See also File::MimeInfo for methods that are inherited.

`mimetype($file)`

Returns a mime-type string for `$file`, returns `undef` on failure.

This method bundles `inodetype()`, `globs()` and `magic()`.

Magic rules with an priority of 80 and higher are checked before `globs()` is called, all other magic rules afterwards.

If this doesn't work the file is read and the mime-type defaults to 'text/plain' or to 'application/octet-stream' when the first ten chars of the file match ascii control chars (white spaces excluded). If the file doesn't exist or isn't readable `undef` is returned.

If `$file` is an object reference only `magic` and the default method are used. See below for details.

`magic($file)`

Returns a mime-type string for `$file` based on the magic rules, returns `undef` on failure.

`$file` can be an object reference, in that case it is supposed to have a `seek()` and a `read()` method. This allows you for example to determine the mimetype of data in memory by using `IO::Scalar`.

Be aware that when using a filehandle or an `IO::` object you need to set the `:utf8` binmode yourself if appropriate.

`rehash()`

Rehash the data files. Glob and magic information is preparsed when this method is called.

If you want to by-pass the XDG basedir system you can specify your database directories by setting `@File::MimeInfo::DIRS`. But normally it is better to change the XDG basedir environment variables.

`default`

`describe`

`extensions`

`globs`

`inodetype`

These routines are imported from File::MimeInfo.

**SEE ALSO**

File::MimeInfo

**LIMITATIONS**

Only word sizes of 1, 2 or 4 are supported. Any other word size is ignored and will cause a warning.

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