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Red Hat Enterprise Linux Release 9.2 Manual Pages on 'AnyDBM_File.3pm' command

\$ man AnyDBM_File.3pm

AnyDBM_File(3pm) Perl Programmers Reference Guide AnyDBM_File(3pm)

NAME

AnyDBM_File - provide framework for multiple DBMs

NDBM_File, DB_File, GDBM_File, SDBM_File, ODBM_File - various DBM implementations

SYNOPSIS

```
use AnyDBM_File;
```

DESCRIPTION

This module is a "pure virtual base class"--it has nothing of its own.

It's just there to inherit from one of the various DBM packages. It prefers ndbm for compatibility reasons with Perl 4, then Berkeley DB (See DB_File), GDBM, SDBM (which is always there--it comes with Perl), and finally ODBM. This way old programs that used to use NDBM via dbmopen() can still do so, but new ones can reorder @ISA:

```
BEGIN { @AnyDBM_File::ISA = qw(DB_File GDBM_File NDBM_File) }  
use AnyDBM_File;
```

Having multiple DBM implementations makes it trivial to copy database formats:

```
use Fcntl; use NDBM_File; use DB_File;  
tie %newhash, 'DB_File', $new_filename, O_CREAT|O_RDWR;  
tie %oldhash, 'NDBM_File', $old_filename, 1, 0;  
%newhash = %oldhash;
```

Here's a partial table of features the different packages offer:

| | odbm | ndbm | sdbm | gdbm | bsd-db |
|------------------------|------|--------|-------|------|--------|
| Linkage comes w/ perl | yes | yes | yes | yes | yes |
| Src comes w/ perl | no | no | yes | no | no |
| Comes w/ many unix os | yes | yes[0] | no | no | no |
| Builds ok on !unix | ? | ? | yes | yes | ? |
| Code Size | ? | ? | small | big | big |
| Database Size | ? | ? | small | big? | ok[1] |
| Speed | ? | ? | slow | ok | fast |
| FTPable | no | no | yes | yes | yes |
| Easy to build | N/A | N/A | yes | yes | ok[2] |
| Size limits | 1k | 4k | 1k[3] | none | none |
| Byte-order independent | no | no | no | no | yes |
| Licensing restrictions | ? | ? | no | yes | no |

[0] on mixed universe machines, may be in the bsd compat library, which is often shunned.

[1] Can be trimmed if you compile for one access method.

[2] See DB_File. Requires symbolic links.

[3] By default, but can be redefined.

SEE ALSO

dbm(3), ndbm(3), DB_File(3), perldbmfilter

perl v5.32.1

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