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## ***Red Hat Enterprise Linux Release 9.2 Manual Pages on 'fdatasync.3p' command***

### ***\$ man fdatasync.3p***

FDATASYNC(3P)          POSIX Programmer's Manual          FDATASYNC(3P)

#### PROLOG

This manual page is part of the POSIX Programmer's Manual. The Linux implementation of this interface may differ (consult the corresponding Linux manual page for details of Linux behavior), or the interface may not be implemented on Linux.

#### NAME

fdatasync ? synchronize the data of a file (REALTIME)

#### SYNOPSIS

```
#include <unistd.h>

int fdatasync(int fildes);
```

#### DESCRIPTION

The fdatasync() function shall force all currently queued I/O operations associated with the file indicated by file descriptor fildes to the synchronized I/O completion state.

The functionality shall be equivalent to fsync() with the symbol \_POSIX\_SYNCHRONIZED\_IO defined, with the exception that all I/O operations shall be completed as defined for synchronized I/O data integrity completion.

#### RETURN VALUE

If successful, the fdatasync() function shall return the value 0; otherwise, the function shall return the value -1 and set errno to indicate the error. If the fdatasync() function fails, outstanding I/O operations

erations are not guaranteed to have been completed.

## ERRORS

The `fdatasync()` function shall fail if:

**EBADF** The `fdes` argument is not a valid file descriptor.

**EINVAL** This implementation does not support synchronized I/O for this file.

In the event that any of the queued I/O operations fail, `fdatasync()` shall return the error conditions defined for `read()` and `write()`.

The following sections are informative.

## EXAMPLES

None.

## APPLICATION USAGE

Note that even if the file descriptor is not open for writing, if there are any pending write requests on the underlying file, then that I/O will be completed prior to the return of `fdatasync()`.

## RATIONALE

None.

## FUTURE DIRECTIONS

None.

## SEE ALSO

`aio_fsync()`, `fcntl()`, `fsync()`, `open()`, `read()`, `write()`

The Base Definitions volume of POSIX.1-2017, `<unistd.h>`

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