NAME

bindat - assign a local protocol address to a socket

LIBRARY

Standard C Library (libc, -lc)

SYNOPSIS

#include <sys/types.h>
#include <sys/socket.h>

#include <fcntl.h>

int
bindat(*int fd*, *int s*, *const struct sockaddr *addr*, *socklen_t addrlen*);

DESCRIPTION

The **bindat**() system call assigns the local protocol address to a socket. When passed the special value
AT_FDCWD in the *fd* parameter, the behavior is identical to a call to bind(2). Otherwise, **bindat**()
works like the bind(2) system call with two exceptions:

1. It is limited to sockets in the PF_LOCAL domain.

2. If the file path stored in the *sun_path* field of the sockaddr_un structure is a relative path, it is
    located relative to the directory associated with the file descriptor *fd*.

RETURN VALUES

The **bindat**() function returns the value 0 if successful; otherwise the value -1 is returned and the global
variable *errno* is set to indicate the error.

ERRORS

The **bindat**() system call may fail with the same errors as the bind(2) system call or with the following
errors:

[EBADF]   The *sun_path* field does not specify an absolute path and the *fd* argument is
                   neither AT_FDCWD nor a valid file descriptor.

[ENOTDIR]   The *sun_path* field is not an absolute path and *fd* is neither AT_FDCWD nor a file
                   descriptor associated with a directory.

SEE ALSO

bind(2), connectat(2), socket(2), unix(4)

AUTHORS

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