

**NAME**

**connectat** - initiate a connection on a socket

**LIBRARY**

Standard C Library (libc, -lc)

**SYNOPSIS**

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

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

```
#include <fcntl.h>
```

*int*

```
connectat(int fd, int s, const struct sockaddr *name, socklen_t namelen);
```

**DESCRIPTION**

The **connectat()** system call initiates a connection on the socket *s*. When passed the special value `AT_FDCWD` in the *fd* parameter, the behavior is identical to a call to `connect(2)`. Otherwise, **connectat()** works like the `connect(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 **connectat()** 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 **connectat()** system call may fail with the same errors as the `connect(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**

bindat(2), connect(2), socket(2), unix(4)

## AUTHORS

The **connectat** was developed by Pawel Jakub Dawidek <[pawel@dawidek.net](mailto:pawel@dawidek.net)> under sponsorship from the FreeBSD Foundation.