NAME

ffi_prep_cif — Prepare a **ffi_cif** structure for use with **ffi_call**

SYNOPSIS

#include <ffi.h>

ffi_status
ffi_prep_cif(*ffi_cif *cif*, *ffi_abi abi*, *unsigned int nargs*, *ffi_type *rtype*,
　　ffi_type **atypes);

DESCRIPTION

The **ffi_prep_cif** function prepares a **ffi_cif** structure for use with **ffi_call** *abi* specifies a set of calling conventions to use. *atypes* is an array of *nargs* pointers to **ffi_type** structs that describe the data type, size and alignment of each argument. *rtype* points to an **ffi_type** that describes the data type, size and alignment of the return value. Note that to call a variadic function **ffi_prep_cif_var** must be used instead.

RETURN VALUES

Upon successful completion, **ffi_prep_cif** returns **FFI_OK**. It will return **FFI_BAD_TYPEDEF** if *cif* is **NULL** or *atypes* or *rtype* is malformed. If *abi* does not refer to a valid ABI, **FFI_BAD_ABI** will be returned. Available ABIs are defined in **<ffitarget.h>**.

SEE ALSO

ffi(3), ffi_call(3), ffi_prep_cif_var(3)