NAME

ffi_prep_cif_var — Prepare a **ffi_cif** structure for use with **ffi_call** for variadic functions.

SYNOPSIS

```
#include <ffi.h>

ffi_status
ffi_prep_cif_var(ffi_cif *cif, ffi_abi abi, unsigned int nfixedargs,
    unsigned int ntotalargs, ffi_type *rtype, ffi_type **atypes);
```

DESCRIPTION

The **ffi_prep_cif_var** function prepares a **ffi_cif** structure for use with **ffi_call** for variadic functions. *abi* specifies a set of calling conventions to use. *atypes* is an array of *ntotalargs* 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. *nfixedargs* must contain the number of fixed (non-variadic) arguments. Note that to call a non-variadic function **ffi_prep_cif** must be used.

RETURN VALUES

Upon successful completion, **ffi_prep_cif_var** 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(3)