NAME
MPI_Type_f2c – Convert a datatype handle from its Fortran representation to its C representation

SYNOPSIS
#include <mpi.h>
MPI_Datatype
MPI_Type_f2c(MPI_Fint f_handle)

INPUT PARAMETER
f_handle
- Fortran datatype handle

RETURN VALUE
datatype
- C datatype handle

NOTES FOR FORTRAN
All MPI routines in Fortran (except for *MPI_WTIME* and *MPI_WTICK*) have an additional argument *ierr* at the end of the argument list. *ierr* is an integer and has the same meaning as the return value of the routine in C. In Fortran, MPI routines are subroutines, and are invoked with the *call* statement.

All MPI objects (e.g., *MPI_Datatype* , *MPI_Comm*) are of type *INTEGER* in Fortran.

ERRORS
This function does not return the normal *MPI_SUCCESS* integer value upon success. Instead, it returns a handle to the converted object. If an error occurs, the appropriate NULL handle will be returned.

SEE ALSO
MPI_Type_c2f(3)

MORE INFORMATION
For more information, please see the official MPI Forum web site, which contains the text of both the MPI-1 and MPI-2 standards. These documents contain detailed information about each MPI function (most of which is not duplicated in these man pages).

http://www.mpi-forum.org/

LOCATION
handles.c