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This is part of **Family API** which allow to create dual-os version of program runs under OS/2 and DOS

Note: This is legacy API call. It is recommended to use 32-bit equivalent

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[Family API Considerations](#) · [0 Comments](#)

This call helps OS/2 applications respond to error codes (return codes) received from OS/2. Strings of [wikitable](#) operate differently in the DOS mode than in the OS/2 mode. Therefore, the following considerations apply to DosErrClass when coding for the DOS mode:

When DosErrClass is called by a family application, it returns a valid error classification for returns that have occurred. The classifications of a given return code may not be the same for the Family API and the OS/2 mode applications.

Parameters Bindings

Code (USHORT) - input : Error code returned by an OS/2 function. ;Class (PUSHORT) - output : Classification of an error. ;Action (PUSHORT) - output : Address of the action for an error. ;Locus (PUSHORT) - output : Address of the origin of an error.

```
<PRE> #define INCL_DOSMISC
```

Return Code

```
USHORT rc = DosErrClass(Code, Class, Action, Locus);
```

```
USHORT Code; /* Error code for analysis */ PUSHORT Class; /* Error classification (returned) */
USHORT Action; /* Recommended action (returned) */ PUSHORT Locus; /* Error locus (returned) */
```

```
USHORT rc; /* return code */ </PRE>
```

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but is a return code returned from another function call, and the output is a classification of the return and recommended action. Depending on the application, the recommended action could be followed, or a more specific application recovery could be performed.

```
<PRE> EXTRN DosErrClass:FAR INCL_DOSMISC EQU 1
```

The following values are returned in Class, Action, and Locus: [wikitable](#)
 PUSH WORD Code ;Error code for analysis PUSH@ WORD Class ;Error classification (returned) PUSH@ WORD Action ;Recommended action (returned) PUSH@ WORD Locus ;Error locus (returned) CALL DosErrClass

Returns WORD </PRE>

Example Code

This example attempts to delete a non-existent file. The error returned is then plugged into DosErrClass for more information about the error and what actions should be taken. <PRE> #define INCL_DOSQUEUES

```
#define RESERVED 0L #define FILE_DELETE "adlkjf.dkf"
```

USHORT Error; USHORT Class; USHORT Action; USHORT Locus; USHORT rc;

```

Error = DosDelete(FILE_DELETE, /* File name path */
                  RESERVED); /* Reserved (must be zero) */
rc = DosErrClass(Error, /* Error code for analysis */
                 &Class, /* Error classification */
                 &Action, /* Recommended action */
                 &Locus); /* Error locus */

```

</PRE>

Family API		
DOS	Process Manager	DosBeep DosExit DosSleep DosExecPgm
	File Manager	DosChDir DosChgFilePtr DosClose DosDelete DosDupHandle DosMkDir DosMove DosQCurDir DosQCurDisk DosSetFileMode DosOpen DosQFileInfo DosRead DosQFileMode DosQFSInfo DosQVerify DosRmdir DosSelectDisk DosFindClose DosFindFirst DosFindNext DosSetFileInfo DosSetVerify DosWrite DosFileLocks DosSetFHandState DosNewSize DosBufReset DosQFHandState DosSetFSinfo DosShutdown
	Memory Manager	DosFreeSeg DosSubAlloc DosSubFree DosSubSet DosAllocHuge DosAllocSeg DosReallocHuge DosReallocSeg DosGetHugeShift DosCreateCSAlias
	NLS	DosCaseMap DosGetCtryInfo DosGetDBCSEv DosSetCtryCode DosGetCollate DosGetMessage DosInsMessage DosPutMessage
	Date and Time	DosSetDateTime DosGetDateTime
	Devices	DosDevConfig DosDevIOCtl DosDevIOCtl2
	Signals	DosHoldSignal DosSetSigHandler
	Misc	BadDynLink DosGetEnv DosGetMachineMode DosGetVersion DosError DosErrClass DosSetVec
KBD		KbdCharIn KbdFlushBuffer KbdGetStatus KbdSetStatus KbdStringIn KbdPeek
VIO		VioGetBuf VioGetConfig VioGetCurPos VioGetCurType VioGetPhysBuf VioReadCellStr VioReadCharStr VioScrollUp VioScrollDn VioScrollLf VioScrollRt VioScrUnLock VioSetCurPos VioSetCurType VioSetMode VioGetMode VioShowBuf VioWrtCellStr VioWrtCharStr VioWrtCharStrAtt VioWrtNAttr VioWrtNCell VioWrtNChar VioWrtTTY VioScrLock VioPopUp
Tools		BIND
Modules		DOSCALLS.DLL VIOCALLS.DLL KBDCALLS.DLL MSG.DLL
Libraries		API.LIB OS2386.LIB FAPI.LIB DOSCALLS.LIB SUBCALLS.LIB

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