

MFSH_PHYSTOVIRT - Convert physical to virtual address

Purpose

Translate the physical address of a data buffer into a virtual address.

Calling Sequence

```
int far pascal MFSH_PHYSTOVIRT(uAddr, usLen, pusSel)

unsigned long uAddr;
unsigned short usLen;
unsigned short far * pusSel;
```

Where

uAddr is the physical address to be translated.

usLen is the length of the segment for the physical address.

pusSel is a pointer to the word in which the selector or segment is returned.

Returns

If an error is not detected, a zero error code is returned. If an error is detected, the following error is returned:

- ERROR_PROTECTION_VIOLATION - the supplied address is invalid.

Remarks

This helper is for use by a mini-FSD with an imbedded device driver. It is the same as the standard device driver helper PHYSTOVIRT. A segment/offset pair is returned in real mode for addresses below the 1-Meg boundary. Else a selector/offset pair is returned.

A caller must issue a corresponding UNPHYSTOVIRT before returning to its caller or using any other helpers.

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