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Programming Assignment 3

myV2p Manual Page

Name:

myV2p (uint va, int w)

Parameters:

- 1) uint (unsigned int) va - virtual address
- 2) int w - Write bit - 0 for read, 1 for write

Description:

This function takes the virtual address and read / write operation, and passes into the kernel space in order to find the physical address corresponding with the virtual address by searching through the page directory and the page table in the current process.

Return Value:

long pa - physical address translated from the input virtual address if successful

Error States:

The error states are not writable, not accessible, not valid.
All of those errors will return -1.