

PIMS-X And Microsoft DEP

Tuesday, December 22, 2009

If you are having trouble running your PIMS-X applications on a windows machine, a probable cause is the DEP feature in Microsoft Windows products.

What is DEP?

Here is the definition of DEP from the Microsoft website:

Data Execution Prevention (DEP) is a set of hardware and software technologies that perform additional checks on memory to help prevent malicious code from running on a system.

Data Execution Prevention (DEP) is a feature that has been implemented in the following windows versions: Windows XP Service Pack 2, Windows XP Tablet PC Edition 2005, Windows Server 2003, and Windows Vista.

To learn about the boot parameters available for configuring DEP you can go to:

<http://msdn.microsoft.com/en-us/library/aa468629.aspx>

So how do I run my compiled application on system that has DEP?

Do the following:

NOTE: You must be logged in as an administrator of the machine to make these changes.

1. Click Start, click Run, type “sysdm.cpl”, and then click OK.
2. Click the Advanced tab, click Performance, and then click Settings.
3. In Performance Options, click the Data Execution Prevention tab, and then click Add.
4. In the Open dialog box, locate and then click the program. (4D Product you are trying launch)
5. Click Open, click Apply, and then click OK. (You might be prompted to restart your machine).

After making the above changes, your PIMS-X application will not use the DEP feature and should now be able to start.