

Setup New Computer

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At the time of installation: Pool Leader will create 4 Folders/Directories on a Root Drive
Make sure the drive is mapped, where Pool Leader is stored, if you access the program from an another PC

Example stored at Root Drive of C (C will be Mapped)

Drive C: will have four folders/directories

C:\POOLGL

C:\POOLLEAD

C:\POOLPAY

C:\POOLPR

Example stored in folder/directory C:\POOLDATA; MAP Folder/Directory POOLDATA (P will be Mapped)

C:\POOLDATA\POOLGL P:\POOLGL

C:\POOLDATA\POOLLEAD P:\POOLLEAD

C:\POOLDATA\POOLPAY P:\POOLPAY

C:\POOLDATA\POOLPR P:\POOLPR

** MAP or Fake Root C:\POOLDATA to Drive P with Full Privileges/Rights **

STEP 1

Create folder/directory on drive C (if they do no exist)

PLTEMP Full Privileges/Rights (C:\PLTEMP)

POOLLEAD (Workstation ONLY) Full Privileges/Rights (C:\POOLLEAD)

Copy folder/directory PLTOOLS from POOLLEAD folder/directory from Server or Update CD

To C:\PLTEMP folder/directory

STEP 2

For Workstation, root or folder/directory on server is MAPPED to P Drive where Pool Leader is stored.

You should be able to see mapped drive P from My Computer

RUN C:\PLTEMP\PLTOOLS\PLINIT.EXE

This will create shortcuts for Pool Leader (Switch between Full or Windows screen press Alt+Enter)

STEP 3

Start Pool Leader POS

Choose OK if prompted "Could not read local configuration"

Enter UNIQUE name for the New Computer. (It will show default computer name from System)

*** If you are not in setup mode ***

From Menu → System → Customized Forms → Quick Printer Setup <Typical Setting> <OK>

*** If you are in setup mode ***

From Menu → Setup → Maintenance → Quick Printer Setup → <Typical Setting> <OK>

Exit Pool Leader POS

RUN C:\PLTEMP\PLTOOLS\PLPMON.EXE /INSTALL

Check the Startup group for "Pool Leader Print Monitor"

Start Pool Leader POS

From Menu → System → System Settings → Printers

Setup Receipt Printer and Cash Drawer

External Command

Capture Printer Ports

Capture: net use lptx \\printserver\sharename /persistent:yes

End Capture: net use lptx /delete

Synchronize Time

net time \\timesrv /set /yes

Frequent freezing of Pool Leader Program on Multi-core or HT processors.

The problem appears to be something to do with a conflict between the processors sharing control looks like NTVDM.EXE is timing out, not Pool Leader.

To permanently fix this problem you must modify the [NTVDM.EXE](#).

NOTE: If Windows Update changes NTVDM.EXE to its original state, then repeat this procedure.

How to check, if you have Multi-core or HT processors?

Start Pool Leader

Use the [CTRL+ALT+ DEL](#) to pull the [Task Manager](#) up.

Choose [Processes](#) Tab

[Right](#) click on [NTVDEM.EXE](#)

View the [Set Affinity](#) setting on the session.

If you see **more the one CPU**, you have Multi-core or HT

If the Affinity Session does not appear this **solution does not apply to this machine.**

If the Affinity Session appears

Make sure only **CPU 0** is checked and save the session. This has prevented the lock up.

This is [Temporary](#) fix.

Step by step procedure on Next Page for [Permanent Fix](#)

For NTVDM.EXE and Multi-core processor machine or Uni-core processor machines with Hyper-Threading

This tool only works on NT based operating systems:

Windows NT

2000 Family

XP Family

2003 Family

Vista

Read on above issue from following web sites:

<http://forums.microsoft.com/MSDN/ShowPost.aspx?PostID=1645448&SiteID=1>

<http://www.markwilson.co.uk/blog/2005/01/troubleshooting-ms-dos-application.htm>

Step by step procedure on Next Page for [Permanent Fix](#)

Step by Step procedure to Set Affinity Mask to only Single CPU for NTVDM

- Make [Backup](#) of **NTVDM.EXE** from **C:\WINDOWS\SYSTEM32** Folder/Directory
- [Download](#) Microsoft Windows NT 4.0 Image Configuration Tool (**IMAGECFG.EXE**) from Internet

NOTE: If Windows Update changes NTVDM.EXE to its original state, then repeat this procedure.

STEP 1

[COPY](#) the **IMAGECFG.EXE** into the **C:\WINDOWS\SYSTEM32** Folder/Directory (use explorer to copy)

STEP 2


[Exit Pool Leader](#), make sure you are not running POS, AP, GI or Payroll.

STEP 3

[Restart the System](#) (If server, Exit Pool Leader form all the Workstations)

STEP 4

*Switch into directory/folder at command prompt to **C:\WINDOWS\SYSTEM32>**

* GO to CMD PROMPT (Click [Start](#), choose Run type **CMD** and click **OK**) can't find Run press  + **R**
type **CD\WINDOWS\SYSTEM32** press [Enter](#)

NOTE: You should be at command prompt **C:\WINDOWS\SYSTEM32>** for all NEXT STEPS

STEP 5

* Creating Folders/Directories

type **MD TEMP** press [Enter](#)
type **MD SAVE** press [Enter](#)

STEP 6

* Create a working copy of NTVDM.EXE in temp Folder/Directory

type **COPY NTVDM.EXE TEMP** press [Enter](#)

STEP 7

* Save the original ntvdm.exe in save Folder/Directory

type **COPY NTVDM.EXE SAVE** press [Enter](#)

STEP 8

* Modify the ntvdm in the temp Folder/Directory

type **IMAGECFG -a 0X1 TEMP\NTVDM.EXE** press [Enter](#)

STEP 9

* Copy the file to the dllcache Folder/Directory

type **COPY TEMP\NTVDM.EXE dllcache** press [Enter](#)

STEP 10

* Copy the file to the system32 Folder/Directory

type **COPY TEMP\NTVDM.EXE** press [Enter](#)

STEP 11

* [Repeat](#) STEP 9 and STEP 10

STEP 12

[Minimize](#) the CMD Box

STEP 13

[Start and Exit](#) Pool Leader POS

STEP 14

* Make sure the date has changed on the file.

[Maximize](#) the CMD BOX
type **DIR NTVDM.EXE** press [Enter](#)

You will see something like this after [Step 8](#)

ntvdm.exe contains the following configuration information:
Subsystem Version 4.0
Image can only run in uni-processor mode on multi-processor systems
Stack Reserve Size: 0x100000
Stack Commit Size: 0x1000
C:\WINDOWS\SYSTEM32>

Why dllcache Folder/Directory? Step 9 & 11

The system will automatically recover this exe file when it notices a change to the file. If the process does not shut off the second process of the NTVDM it is because the system recovered the NTVDM from memory before you were able to run the NTVDM.EXE

Detail command information – Microsoft Windows NT 4.0 Image Configuration Tool (IMAGECFG.EXE)

CAUTION: IMAGECFG.EXE modifies *irreversibly* EXE/DLL files and thus may adversely affect performance! IMAGECFG permanently rewrites a Windows executable (DLL, EXE etc) header/loader mapping in order to reset its processor affinity mask.

IMPORTANT: NEVER attempt to modify ANY kernel OS files NOR compressed executables!

Command line parameters:

IMAGECFG [switches] image-names...
[-?] display this message
[-s path to symbol files]
[-v MajorVersion.MinorVersion]
[-w Win32 GetVersion return value in hex]
[-a Process Affinity mask value in hex]
[-u Marks image as uniprocessor only]
[-r run with restricted working set]
[-b BuildNumber]
[-g bitsToClear bitsToSet]
[-o default critical section timeout]
[-d decommit thresholds]
[-m maximum allocation size]
[-t VirtualAlloc threshold]
[-p process heap flags]

Usage (run from any command prompt):

IMAGECFG -a 0xn drive:\path\PROGRAM.EXE

0xn = affinity mask. n = 0 - 31 (mask number) constrains respective executable to a specific CPU:

CPU	Mask
-----	------

0	0x1
1	0x2
2	0x4
3	0x8
4	0x10
5	0x20
6	0x40
7	0x80
8	0x100

etc...

Replace drive: with real drive/partition letter followed by a colon (:).

Replace path with real folder name where executable resides.

Replace PROGRAM with real executable name.

Replace EXE with real executable extension.

Example:

IMAGECFG -a 0x1 C:\MYTOOLS\MYEXE.EXE

Sets the C:\MYTOOLS\MYEXE.EXE program affinity mask to CPU 0