



Read Before Installing

Microsoft® Windows® XP Installation Instructions for HP i2000 Workstation Systems

Products Affected:

All HP i2000 Workstations that use C0 step Itanium™ processors.

Description:

When installing 64-bit Microsoft® Windows XP®, these instructions should be followed for proper operating system installation and system functionality. NOTE: Windows XP must first be installed on the system.

Instructions:

Using Windows CONFIGFLAG Setting (nvrboot utility)

Boot Option settings are stored in nonvolatile RAM (NVRAM). There is a program for setting nonvolatile RAM named *nvrboot.efi*.

Boot to the EFI prompt. In the EFI partition of the boot disk, cd to the MSUtil directory. Run nvrboot, and the screen will appear as indicated below:

Note: *In the example below, lines 2 to 5 may look different or may not be present. Option 7 (Boot Options) will always be present. In case the EFI option is not present, Boot Options can be used to add it. Windows Boot Option will be added automatically during OS installation.*

Note: ***Bold** letters are system prompts and underlined italics are user responses.*

Shell > **fs0:**

Fs0:\> **cd msutil**

fs0:\MSUtil> **nvrboot**

NVRBOOT: OS Boot Options Maintenance Tool (Revision: 1.0b)

1. Microsoft Windows Whistler Professional
2. VenHw(Unknown Device: 00)
3. VenHw(Unknown Device: FF)
4. VenHw(Unknown Device: FF)/CDROM(Entry 1)
5. VenHw(Unknown Device: 80)/HD(Part1,SigD87FA76A)
6. EFI
7. Boot Options Maintenance Menu



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Windows OS Boot Option

(D)isplay (M)odify (C)opy E(x)port (I)mport (E)rase (P)ush (H)elp (Q)uit

Select> m

Enter OS boot option to modify: 1

LoadIdentifier = Microsoft Windows Whistler Professional

OsLoadOptions =

EfiOsLoaderFilePath = \EFI\Microsoft\WINNT50\ia64ldr.efi

OsLoaderFilePath = \WINDOWS

Enter var to modify: 2

OsLoadOptions = /CONFIGFLAG=2943

LoadIdentifier = Microsoft Windows Whistler Professional

OsLoadOptions = /CONFIGFLAG=2943

EfiOsLoaderFilePath = \EFI\Microsoft\WINNT50\ia64ldr.efi

OsLoaderFilePath = \WINDOWS

Press enter to continue

Select> q

There are cases when you may want to turn on kernel debugging. This is also achieved by setting the OsLoadOptions. In this case, care should be taken so that the Configflag option is the last command in the string.

fs0:\MSUtil> nvrboot

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(D)isplay (M)odify (C)opy E(x)port (I)mport (E)rase (P)ush (H)elp (Q)uit

Select> m

Enter OS boot option to modify: 1

LoadIdentifier = Microsoft Windows Whistler Professional

OsLoadOptions = / CONFIGFLAG=2943

EfiOsLoaderFilePath = \EFI\Microsoft\WINNT50\ia64ldr.efi

OsLoaderFilePath = \WINDOWS

Enter var to modify: 2

OsLoadOptions = /debug /debugport=com1 /baudrate=115200 /CONFIGFLAG=2943

LoadIdentifier = Microsoft Windows Whistler Professional
OsLoadOptions = /debug /debugport=com1 /baudrate=115200 /CONFIGFLAG=2943
EfiOsLoaderFilePath = \EFI\Microsoft\WINNT50\ia64ldr.efi
OsLoaderFilePath = \WINDOWS
Press enter to continue

Select> *q*

After you quit from nvrboot, you will be in EFI prompt. Type 'exit' and press return. This will take you back to the Boot Options menu. Select '**Boot Options Maintenance Menu**' and once inside, simply exit. This will read back the changes made using the nvrboot program.

Once the changes are made, they will be retained across boots, power-off etc. However, when a fresh OS installation is done, the above procedure will have to be repeated, as OS installation will introduce a new Windows Boot Option.

Technical Support
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