

Re: autorun configuration

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- *From:* "Karl Snooks" <wieso@xxxxxxxxxxxxxx>
 - *Date:* Thu, 21 Feb 2008 19:12:14 -0800
-

Dave,

This key, which is of type REG_BINARY, consists of four bytes. The first byte is a bitmask defining which drive types should be AutoRun. The other three bytes should be set to zero (0).

The bits in the bitmask correspond to these constants:

Type Bit

DRIVE_UNKNOWN 0

DRIVE_NO_ROOT_DIR 1

DRIVE_REMOVABLE 2

DRIVE_FIXED 3

DRIVE_REMOTE 4

DRIVE_CDROM 5

DRIVE_RAMDISK 6

Setting a bit in the bitmask prevents you from using AutoPlay with the corresponding drive type. By default, the value in the registry is 0x95. Bits 0, 2, 4 and 7 are therefore set, which means that drive types DRIVE_UNKNOWN, DRIVE_REMOVABLE, and DRIVE_REMOTE don't use AutoPlay information. (Bit 7 is set to cover future device types.) Altering this registry value thus allows you to test Autorun.inf files from a floppy disk (DRIVE_REMOVABLE), network drive (DRIVE_REMOTE), and so on. For example, to be able to test AutoPlay from a floppy disk, set the value of the first byte to 0x91 to enable AutoPlay for floppy disks.

NOTE: Most floppy disk drive controllers do not currently recognize when a floppy disk has been inserted. To test AutoPlay on a floppy disk, first alter the registry setting so that bit DRIVE_REMOVABLE is not set, start

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the Windows Explorer, insert the floppy disk, and press the F5 key to refresh the display.

To test the Autorun.inf file on a given disk, using the right mouse button, click the icon for the drive in the Windows Explorer. The effects of the Autorun.inf file should be visible in the context menu.

A value of 0xb5 in the following registry key turns off the AutoRun feature for CDs:

HKEY_CURRENT_USER\SOFTWARE\Microsoft\Windows\CurrentVersion\Policies\Explorer\NoDriveTypeAutoRun

Microsoft does not recommend that you use the following registry key to turn off the AutoPlay feature:

HKEY_LOCAL_MACHINE\System\CurrentControlSet\Services\Cdrom\Autorun
The real function of this registry key is to turn on or off the media change notification.

The NoDriveTypeAutoRun subkey value is reset to one of the following original default values:

Operating system
Default value

Microsoft Windows Server 2003
0x95

Microsoft Windows XP
0x91

Microsoft Windows 2000
0x95

WORKAROUND

To work around this issue, cancel the Turn off Autoplay policy setting

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selection in the Active Directory domain environment as follows:

1.
Click Start, click Run, type gpedit.msc, and then click OK.
2.
Expand User Configuration, expand Administrative Templates, and then expand System.
3.
Double-click the Turn off Autoplay policy.
4.
Select Disabled, click Apply, and then click OK.

Note In Windows 2000, the policy setting is named Disable Autoplay.

MORE INFORMATION

When the NoDriveTypeAutoRun subkey value is reset to one of the original default values, the computer that you added to an Active Directory domain can use functions that the Turn off Autoplay policy setting supports.

The Turn off Autoplay policy setting is based on the following registry key and value pair.

HKEY_CURRENT_USER\Software\Microsoft\Windows\CurrentVersion\Policies\Explorer
Key Name: NoDriveTypeAutoRun
Key Type: REG_DWORD

SYMPTOMS

When you insert a CD-ROM that contains an Autorun.inf file into your computer's CD-ROM or DVD-ROM drive, the CD-ROM may not start and run automatically as expected.

Additionally, when you right-click the CD-ROM or DVD-ROM drive in Windows Explorer or My Computer, the AutoPlay command may be missing from the shortcut menu.

This behavior occurs even when the Auto Insert Notification check box is selected in the CD-ROM settings of Device Manager.

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RESOLUTION

To resolve this issue, edit the NoDriveTypeAutoRun entry in the Windows registry so that it displays the correct value. To do this, follow these steps.

WARNING: If you use Registry Editor incorrectly, you may cause serious problems that may require you to reinstall your operating system. Microsoft cannot guarantee that you can solve problems that result from using Registry Editor incorrectly. Use Registry Editor at your own risk.

1.
Click Start, and then click Run.
2.
In the Run box, type regedit, and then click OK.
3.
Locate the following registry key:

HKEY_Current_User\Software\Microsoft\Windows\CurrentVersion\Policies\Explorer

4.
In the right pane of the Registry Editor window, locate the NoDriveTypeAutoRun entry.
5.
Edit the entry to display the following correct binary value in the Value data box:

NoDriveTypeAutoRun 0000 95 00 00 00 To do this, right-click NoDriveTypeAutoRun, and then click Modify. Under Value data, type 95 00 00 00, and then click OK.
6.
On the Registry menu, click Exit to quit Registry Editor.
7.
Restart your computer.

How to Enable or Disable Automatically Running CD-ROMs

If there is a CD-ROM changer attached to your computer, you may want to disable automatically running CD-ROMs (the automatic running of a compact

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disc [CD] or the automatic playing of an audio CD-ROM). If automatically running CD-ROMs is enabled with a CD-ROM changer, each time that you insert a new CD-ROM into one of the trays, Windows cycles through every tray in the changer.

There is no option to enable or disable automatically running CD-ROMs in the user interface. To enable or disable automatically running CD-ROMs, you must edit the registry:

1.
Click Start, click Run, type regedit in the Open box, and then press ENTER.

2.
Locate and click the following registry key:

```
HKEY_LOCAL_MACHINE\System\CurrentControlSet\Services\CDRom
```

3.
To disable automatically running CD-ROMs, change the Autorun value to 0 (zero). To enable automatically running CD-ROMs, change the Autorun value to 1.

4.
Restart your computer.

NOTE: This method disables automatically running CD-ROMs. If you want to disable automatically running CD-ROMs depending on the CD-ROM that you insert in the CD-ROM drive, you can press and hold down one of the SHIFT key while you insert the CD-ROM.

There are two other registry keys that can affect this functionality:

```
HKEY_CURRENT_USER\Software\Microsoft\Windows\CurrentVersion\Policies\Explorer  
NoDriveTypeAutoRun = 0x00000095
```

–and–

```
HKEY_USERS\.DEFAULT\Software\Microsoft\Windows\CurrentVersion\Policies\Explorer  
NoDriveTypeAutoRun = 0x00000095
```

The correct value for each is 0x00000095.

Microsoft does not recommend that you use the following registry key to turn off the AutoPlay feature:

```
HKEY_LOCAL_MACHINE\System\CurrentControlSet\Services\Cdrom\Autorun
```

The real function of this registry key is to turn on or off the media change notification.

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karl snooks

"Dave" <dspear99ca@xxxxxxxx> wrote in message
[news:Ndmvj.39351\\$w57.22076@xxxxxxxxxxxx](mailto:news:Ndmvj.39351$w57.22076@xxxxxxxxxxxx)
| I cannot figure out to turn off autorun for my USB drives under Windows XP.
| Every time I plug in an SD card or my phone or PDA or any other USB
| device,
| RealPlayer and Webshots manager run. I've looked at the drive
| properties --> autorun tab and all drive letters above F (my USB drives
| are
| assigned H and higher) have "prompt me each time to choose an action".
|
| I downloaded TweakUI, and UN-checked "enable autoplay for removable
| drives".
|
| Nothing has made ANY DIFFERENCE. I plug my phone in and unplug it
| probably
| ten times a day and this is driving me batshit.
|
| Can anyone point me to relevant registry entries that I can nuke to get
| rid
| of this incredibly annoying behaviour?
|
| Thanks in advance
|
| Dave
|
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