

microsoft.public.windowsxp.general: Re: Loaded SP2 now I'm in a boot loop...Things to try.

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Source:

<http://www.tech-archive.net/Archive/WinXP/microsoft.public.windowsxp.general/2004-09/20715.html>

From: Dave (*Dave_at_discussions.microsoft.com*)

Date: 09/16/04

Date: Thu, 16 Sep 2004 13:05:03 -0700

Chad,

Tried the dos commands:

```
cd $NtServicePackUninstall$\Spuninst
batch spuninst.txt
exit
```

When it rebooted and I had a choice of safe and all other types of boot everything went to a black screen with no activity except for the safe boot that froze loading drivers in the dos screen. Any other suggestions?

"Chad Harris" wrote:

- > *Guy with late homework--*
- >
- > *See if a UMAX driver could be the problem via this KB:*
- >
- > *After you install Windows XP Service Pack 2, your computer restarts*
- > *continuously*
- > <http://support.microsoft.com/default.aspx?scid=kb;en-us:873161&Product=winxp>
- >
- > *Over-heating, and a bad stick of RAM have been known to cause this--so if*
- > *software remedies don't do it, look to hardware, memory sticks in place,*
- > *cables, ect.*
- >
- > **Often, booting to the Recovery Console and running chkdsk /r will help this*
- > *problem. * I don't know if you have an XP CD, because lately so many people*
- > *with boot problems have not had one supplied by their OEM, but if you do*
- > *this would be my first choice to try to ditch the endless loop this way.*
- >
- > *Description of the Windows XP Recovery Console*
- > <http://support.microsoft.com/default.aspx?scid=kb;en-us:314058>
- >
- > *Scroll down for instructions on running chkdsk /r.*
- >
- > *Using the Recovery Console*

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>

<http://www.microsoft.com/resources/documentation/Windows/XP/all/reskit/en-us/Default.asp?url=/resources/docume>

>

> RC Overview

>

http://www.microsoft.com/resources/documentation/windows/xp/all/proddocs/en-us/recovery_console_overview.mspx

>

> Recovery Console in XP

> http://www.kellys-korner-xp.com/win_xp_rec.htm

>

> *I didn't know if you could break the loop to F8 as Will says. In my
> experience, Last Known Good Configuration almost never works statistically,
> but if it does and this is gone, more power to you. Keep in mind that it's
> a snapshot of your configuration immediately after you booted, so if you
> have been booted up for a long time then you're not going to track settings
> changes since that time.*

>

> *I'd first try to F8 to the Windows Advanced Options menu and use Safe Mode
> and then try System Restore from Safe Mode. You will probably be back at
> the version before you installed SP2. There is also this option for aborted
> SP2 installs or SP2 installs with the problem like the one you're having,
> but again System Restore may not solve your endless loop problem and Last
> Known Good may not. You may need to run a chkdsk /r or use some of the
> other tools I describe.*

>

> *Resources for troubleshooting startup problems in Windows XP (Info on F8 and
> Advanced Options Menu)*

> <http://support.microsoft.com/default.aspx?kbid=308041>

>

> *How to use the Automatic Recovery feature to recover your computer if the
> Windows XP Service Pack 2 Setup program is not completed successfully
> <http://support.microsoft.com/default.aspx?kbid=875355&product=windowsxpsp2>*

>

> *A description of the Safe Mode Boot options in Windows XP
> <http://support.microsoft.com/default.aspx?kbid=315222>*

>

> *If you were unable to use the Recovery Console because you had no XP CD, and
> haven't installed it already but could get back to Windows:*

>

> *If you can tap F8 to get back to Windows via either Safe Mode or as a last
> resort in my opinion, Last Known Good Configuration, then you're still faced
> with the possible "endless loop problem." That's why my first suggestion
> was to boot to the Recovery Console and run chkdsk /r from the recovery
> console.*

>

> *You would be possibly faced with the endless loop proble again or when you
> installed SP2 so I would run chkdsk /r from the command prompt or the run
> box.*

>

> *The reason for the endless loop is often that something has set the volume's
> "dirty bit." When a volume's dirty bit is set, autochk automatically checks*

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- > the volume for errors the next time the computer is restarted.If a volume's
- > dirty bit is set, this indicates that the file system may be in an
- > inconsistent state. The dirty bit can be set because the volume is online
- > and has outstanding changes, because changes were made to the volume and the
- > computer shutdown before the changes were committed to disk, or because
- > corruption was detected on the volume. If the dirty bit is set when the
- > computer restarts, chkdsk runs to verify the consistency of the volume.
- >
- > See if you have any disk corruption by typing "fsutil dirty query [C]: Sub
- > any drive you want for "C". If it says the volume isn't dirty, you don't
- > need to run chkdsk because there aren't any errors on the disk. But I know
- > you want to run it to see that it runs properly without this read-only
- > error. The KB I'm going to list advises you to run "chkdsk volume_label: /v
- > /f" to fix this. This will fix any errors on the disk and the "v" causes it
- > to name each fixed file. Hopefully that will resolve it.
- > But if it doesn't then run "chkdsk_volume label: /r", and if that doesn't
- > then run the chkdsk /r from the recovery console.
- >
- >
- > If the disk is dirty, then System Restore is not going to fix that.
- >
- > Every time Windows XP starts, Autochk.exe is called by the Kernel to scan
- > all volumes to check if the volume dirty bit is set. If the dirty bit is
- > set, autochk performs an immediate chkdsk /f on that volume. Chkdsk /f
- > verifies file system integrity and attempts to fix any problems with the
- > volume.
- >
- > Here's what to do:
- >
- > Go to Start/Run/CMD and type in: fsutil dirty query c: (or whatever drive
- > his XP is on). You'll get back either the drive "is dirty" or "it's not
- > dirty."
- >
- > Info on a "Fsutil Query" in the KB below--also see the Explanation at
- > Windows Help and Support--type "helpctr" into your run box:
- >
- > The Fsutil Query Tool:
- > <http://techrepublic.com.com/5138-6240-728908.html>
- >
- > An Fsutil Query Does Not Work Properly on FAT or FAT32 Volumes
- > <http://support.microsoft.com/default.aspx?scid=kb;en-us;322275&Product=winxp>
- >
- > You have 4 choices that may work:
- >
- > 1) You can run chkdsk /r from the Recovery Console. I think this is the
- > fastest and most effective. I've seen it work for this several times.
- >
- > 2) You can run the chkntfs /d and reboot and chkdsk won't run on the next
- > boot. What this does is to restore default settings. Note this is a
- > different command than chkdsk. Chkntfs is a command that displays or
- > specifies whether automatic checking is scheduled to run on a FAT, FAT32, or

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> NTFS volume when the computer is started.

>

> 3) You should be able to fix this by using "chkntfs/X C" if C were the

> problem drive or whatever letter—this works when the drive is dirty and I

> showed you above how to verify this. The advantage of sticking the X in the

> command is that it saves time by causing the command to skip checking cycles

> within the folder.

>

> 4) You can go to Kelly's XP Tweaks and click line 76 left column and see if

> this VB script will stop it.

>

> Kelly's Tweaks

> http://www.kellys-korner-xp.com/xp_tweaks.htm

>

> Troubleshooting Windows XP

> <http://www.kellys-korner-xp.com>

>

> In addition, When there is improper shutdown, the Autochk program runs on

> all NTFS drives in XP, 2K, NT where a disk write was in process at the time

> of shutdown. This gets exacerbated if you have write caching enabled on a

> hard drive connected to a standard IDE controller. It improves performance,

> by delaying data writing while other work is done, but it ups the risk of

> lost data or corruption.

>

>

> <http://www.microsoft.com/resources/documentation/Windows/XP/all/reskit/en-us/Default.asp?url=/resources/docume>

>

> Open the run box with the Windows Key + "r" and type in diskmgmt.msc. From

> the graphical display in the bottom of the Disk Management window,

> right-click the disc icon and choose Properties. On the policies tab, clear

> Enable Write Caching on the Disk. (Note this option, ie. the policies tab,

> may not be available if your disk is connected to a High Performance ATA-66

> or ATA-100 IDE controller.)

>

> After you find the cause of the underlying problem if there is improper

> shutdown, re-enable write caching.

>

> Additional references for definitions context:

>

> Chkdsk.exe or Autochk.exe starts when you try to shut down or restart your

> computer

> <http://support.microsoft.com/default.aspx?scid=kb;en-us;831426&Product=winxp>

>

> An Fsutil Query Does Not Work Properly on FAT or FAT32 Volumes

> <http://support.microsoft.com/default.aspx?scid=kb;en-us;322275&Product=winxp>

>

> hth,

>

> Chad Harris

> _____

>

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- > *"Guy with late home work" <Guy with late home*
- > *work@discussions.microsoft.com> wrote in message*
- > *news:4E8FB6DE-03B8-45DE-B9D5-4E80AE7A723E@microsoft.com...*
- > *While rebooting from loading SP2 I get the error message, "Autochk not*
- > *found-skipping autocheck program", then it reboots and goes through the same*
- > *routine indefinitely! HELP*
- >
- >
- >