

Re: Starting Windows 2000 hangs on new install.

Source: <http://www.tech-archive.net/Archive/Win2000/microsoft.public.win2000.setup/2004-04/0594.html>

From: Dan Seur (*click_at_casta.net*)

Date: 04/26/04

Date: Mon, 26 Apr 2004 10:57:24 -0400

I haven't read this whole threar, but:

1. W2k requires W2k-specific device drivers. Drivers written for other op sys will not work correctly.
2. W2k is EXTREMELY demanding of hardware, as are all NT-class systems; they will roll over and play dead on hardware that easily passes the simple DOS-based sys (like ME) reqts. This is a "reliability" virtue.
3. There's a quick way to have W2k check your machine for W2k compliance. With any 32-bit Winsystem (9x/ME/2k/XP) booted and the W2k CD in the CD drive, navigate to and run:

[CD:]\i386\winnt32.exe /checkupgradeonly

With that parameter, this will not start an install; winnt32 will merely analyze the PC hardware (and some app setups) and give you a nicely formatted report on potential problems found and in many cases what you can do about them.

(The 16-bit installer winnt.exe does not have this parameter.)

Geoffw wrote:

- > *what are the power settings on the motherboard apm/acpi ??*
- >
- > *win2K is very fussy about hardware*
- >
- > *is the fan mounted Ok on the cpu - temp problems ?*
- >
- > *faulty power supply ?*
- >
- > *rotate the ram perhaps one is faulty.*
- >
- > *re seat on cards and peripherals.*
- >
- > *I think you mentioned but try a minimal setup first*
- >
- > *good luck*
- >
- > *Geoff*
- >

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>
>
> *"Kevin Lawton" <kepla@btinternet.com> wrote in message*
> *news:c6gimt\$d15\$1@hercules.btinternet.com...*
>
>> *Oh dear – no hope for me then ! :-(*
>> *All the various bits for this new PC were gradually*
>
> *purchased last Autumn. I*
>
>> *was then busy working away from home over the winter so I*
>
> *only got the time*
>
>> *to try putting everything together about 3 weeks ago.*
>> *Logically, I find it difficult to understand why one build*
>
> *using a set of*
>
>> *components might work while another build using identical*
>
> *components might*
>
>> *fail. I can accept that it might happen occasionally but,*
>
> *in the absence of*
>
>> *an actual fault somewhere, I can't understand it.*
>> *Given that all other parts have been swapped, the logical*
>
> *conclusion is that*
>
>> *the problem lies between the CPU and Windows 2000. Either*
>
> *the XP2400 is*
>
>> *unable to work in some way that only Windows 2000 (and no*
>
> *other op system)*
>
>> *requires, or Windows 2000 is trying to do something with*
>
> *the XP2400 (and not*
>
>> *with other processors) which the XP2400 should not be*
>
> *doing. The problem*
>
>> *lies in proving which one – the XP2400 or Windows 2000 –*
>
> *is faulty. In the*

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>
>>*absence of decent diagnostics from Windows 2000, and*
>
> *comprehensive CPU test*
>
>>*and diagnostic software, this is pretty much impossible.*
>>*Purchasing either another XP2400 CPU, or another copy of*
>
> *Windows 2000, is*
>
>>*not a financially viable option for me.*
>>*The one thing I think I need now is some way forward. By*
>
> *all accounts an*
>
>>*XP2400 on a GA-7VRXP should be able to run Windows 2000,*
>
> *so it is case of*
>
>>*pin-pointing the problem.*
>>*Very gratefull for all the help received so far, I'm*
>
> *hoping that somebody*
>
>>*has a good idea.*
>>*TIA*
>>*Kevin.*
>>
>>*DL <dl@spoofmail.com> wrote:*
>>*| I mention BT merely as an example of my experience with*
>
> *a piece of*
>
>>*| hardware not functioning, whilst on an identical setup*
>
> *it was ok.*
>
>>*| I'm trying to point out; that there are occasions when*
>
> *with identical*
>
>>*| setups one will work and the other will not.*
>>*| The likelihood is that if you were able to swap out the*
>
> *mobo and cpu*
>
>>*| for identical products it would be OK.*
>>*| The only hope for this is if you bought at same time*
>
> *from same*
>

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>>| *supplier*
>>|
>>| *"Kevin Lawton" <kepla@btinternet.com> wrote in message*
>>| *news:c6g47v\$clh\$1@hercules.btinternet.com...*
>>|| *DL <> wrote:*
>>||| *BT? – your ISP is BT*
>>||
>>|| *Well yes, my ISP is BT but I don't think they'd want to*
>
> *get involved*
>
>>|| *with a hardware or software problem on a machine which*
>
> *hasn't got as*
>
>>|| *far as being 'connected' yet. It can be bad enough (and*
>
> *very*
>
>>|| *time-consuming) trying to get BT to help when there's a*
>
> *connection*
>
>>|| *problem, or their DNS servers are down. Their*
>
> *expensive-to-call*
>
>>|| *helpdesk staff just follow a 'script' of inappropriate*
>
> *questions and*
>
>>|| *misleading suggestions (like insisting that I should*
>
> *re-install all*
>
>>|| *my software and buy a new router when they have a DNS*
>
> *problem !). I*
>
>>|| *can imagine they'd probably have me going out buying a*
>
> *new monitor,*
>
>>|| *or removing the HSF to see if the XP2400 gets warm*
>
> *enough ! Their*
>
>>|| *support is worse than useless – the only reason I stick*
>
> *with them is*
>

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>>|| *because it would be too much hassle if I lost this*
>
> *e-mail address as*
>
>>|| *I use it to get work.*
>>|| *I've already tried swapping out the m/board for another*
>
> *identical*
>
>>|| *one – and the problem was identical too. I could have a*
>
> *shot at*
>
>>|| *trying to return the CPU, but I'd need to show that it*
>
> *is faulty*
>
>>|| *first. As it will merrily run Windows Me (or several*
>
> *other op*
>
>>|| *systems I've tried) with no problem then that is going*
>
> *to be*
>
>>|| *difficult. I could counter that with saying that a Duon*
>
> *650 does run*
>
>>|| *everything fine.*
>>|| *The one variable I haven't tried in this 'equation' yet*
>
> *is a*
>
>>|| *completely different m/board. It might just be that the*
>
> *combination*
>
>>|| *of GA-7VRXP, XP2400 and Windows 2000 are incompatible.*
>
> *At the*
>
>>|| *moment, I can swap the XP2400 for a Duron 650, or swap*
>
> *Windows 2000*
>
>>|| *for Windows Me and get a result. What I haven't tried*
>
> *is some*
>
>>|| *different m/board. The main barrier with this is that a*

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>
> *new m/board*
>
>>|| *is just as inaffordable as a new CPU.*
>>|| *I think my PC is bad for my mental health !*
>>|| *Kevin.*
>>||
>>||| *I spoke with them because I was able to identify the*
>
> *initial problem*
>
>>||| *as been with their hardware.*
>>||| *The problem is that you have at least three pieces of*
>
> *kit, any of*
>
>>||| *which could be the problem, though its more likely to*
>
> *be hardware*
>
>>||| *than software. If you recently purchased mobo or cpu*
>
> *are you able to*
>
>>||| *exchange ?*
>>|||
>>||| *"Kevin Lawton" <kepla@btinternet.com> wrote in message*
>>||| *news:c6f48p\$irc\$I@titan.btinternet.com...*
>>||| *DL <> wrote:*
>>||| *Nothing special as far as I'm aware, I only had the*
>
> *problem with*
>
>>||| *one AMD cpu, never cured it and I did swap it for*
>
> *another*
>
>>||| *identical cpu, gave up, upgraded mobo and cpu.*
>>||| *There have been reports of the occasional problems*
>
> *with various*
>
>>||| *hardware and AMD, though this was some years ago,*
>
> *where seemingly*
>
>>||| *with identical hardware one would have a conflict*
>
> *and the other*
>
>>||| *wouldnt.*

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>>///// I got into some deep conversations with BT and AMD
>
> over this
>
>>///// issue.
>>/////
>>///// BT ? – who are they ?
>>///// I would really like for MS to be involved. After all,
>
> it is Windows
>
>>///// 2000 which is going wrong and failing to provide an
>
> error message.
>
>>///// I'll certainly have words with AMD support, who I
>
> expect will refer
>
>>///// me to Gigabyte, who in turn will either ignore me or
>
> refer me
>
>>///// elsewhere.
>>///// The question is: if I were to go out and buy another
>
> GA-7VRXP
>
>>///// m/board, AMD XP2400 processor, and a fresh
>
> shrink-wrapped copy of
>
>>///// Windows 2000 would it all work ?
>>///// Kevin.
>>/////
>>///// "Kevin Lawton" <> wrote in message
>>///// news:c6eqjg\$43g\$I@titan.btinternet.com...
>>///// DL <> wrote:
>>///// I've changed mobo's and cpu's on many Win2K setups
>
> the only one
>
>>///// I had trouble with was a1.3Duron, and that was an
>
> heat problem,
>
>>///// even using OTT coolers – never got to the bottom
>
> of it!!
>
>>/////

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>>||||| *When I mentioned entering the bios I meant was the*
>
> *new cpu being*
>
>>||||| *correctly identified*
>>|||||
>>||||| *Yes – the BIOS identifies both the Duron 650 and*
>
> *the XP2400*
>
>>||||| *correctly. In the Windows Me installation which*
>
> *works with either*
>
>>||||| *processor (I swap HDs) I have a few utilities which*
>
> *can run*
>
>>||||| *system identification and*
>>||||| *benchmarking –*
>>||||| *everything shows up correctly with all of them.*
>
> *What I don't have*
>
>>||||| *is any software to fully test out a CPU. I can*
>
> *identify it, burn*
>
>>||||| *it in and benchmark it – but not fully test it, the*
>
> *whole works –*
>
>>||||| *all instructions, caches, pipelines, everything. I*
>
> *think that*
>
>>||||| *this would have to be my next step short of*
>
> *actually buying*
>
>>||||| *another XP2400 (ouch – my poor wallet). I guess*
>
> *there isn't a*
>
>>||||| *special way you have*
>>||||| *to install Windows 2000 on an XP processor because*
>
> *of the SSE*
>
>>||||| *instructions, is there ?*
>>||||| *TIA*

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>>///// Kevin.
>>/////
>>//////// "Kevin Lawton" <> wrote in message
>>//////// news:c6deah\$s2r\$1@sparta.btinternet.com...
>>//////// DL <> wrote:
>>//////// Sorry missed the line about mobo;
>>//////// No worries, mate, it was early on in the thread.
>
> ; -)
>
>>//////// With mobo switches on auto, Boots/Runs OK with
>
> Duran. - yes?
>
>>//////// Oh yes, yes, yes. I can even play around with the
>
> FSB and
>
>>//////// multiplier switches and overclock the Duron 650
>
> up to 897 MHz
>
>>//////// and it still
>>//////// works fine. Solid processor, that Duron.
>>//////// Matrox drivers installed for win2k? - yes?
>>//////// Well, no they weren't. Matrox cards do the
>
> standard VESA modes
>
>>//////// properly so they are fine with Windows 'generic
>
> VGA card'
>
>>//////// drivers.
>>//////// I have now tried installing the latest Matrox
>
> drivers and guess
>
>>//////// what ? - no change.
>>//////// Change the cpu, restart, enter the bios and
>
> check settings, eg
>
>>//////// cpu.
>>//////// I've tried this, with the settings on auto and
>
> with the
>
>>//////// settings forcing the correct FSB and multiplier.
>
> I've even

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>
>>///////// *tried underclocking the XP2400 a bit. Still no*
>
> *change – works*
>
>>///////// *fine in Windows Me and hangs at Windows 2000*
>
> *startup.*
>
>>///////// *If OK reboot from win2k installation disk (you*
>
> *may have to*
>
>>///////// *enable boot from cd in bios) and repair.*
>>///////// *Tried this and of course the repair installation*
>
> *hangs after*
>
>>///////// *the 'Starting Windows' progress bar again. Had to*
>
> *swap back to*
>
>>///////// *the Duron 650 to get that to finish again.*
>>///////// *Other than that you appear to have covered*
>
> *everything.*
>
>>///////// *That's what I thought, but there is still a*
>
> *problem. The way*
>
>>///////// *things are going I might be better off using this*
>
> *PC as*
>
>>///////// *landfill and 'cover everything' with concrete !*
>>///////// *Good luck*
>>///////// *I think I need more than luck – I need a miracle.*
>
> *At least, I*
>
>>///////// *could do with some decent diagnostics out of*
>
> *Windows 2000. I*
>
>>///////// *don't really want to have to spend the rest of my*
>
> *life trying*
>
>>///////// *to edit video on a Duron 650.*
>>///////// *Thanks for the help.*

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>>///////// Kevin.
>>/////////
>>///////// "Kevin Lawton" <> wrote in message
>>///////// news:c61h6v\$R0f\$1@titan.btiinternet.com...
>>///////// Sorry- I though that was known. The motherboard
>
> is a Gigabyte
>
>>///////// GA-7VRXP (I have tried two samples) Rev1.1, as
>
> staed in my
>
>>///////// original post which is still at the foot of
>
> this thread.
>
>>///////// Originally I left the m/board switches for FSB
>
> and multiplier
>
>>///////// in the 'auto' setting, as was the memory bus
>
> clock. Since
>
>>///////// then I've tried slowing things down from 133
>
> MHz to 100 MHz
>
>>///////// on the FSB (effectively 266 -> 200 due to DDR),
>
> and from 166
>
>>///////// MHz to 133 MHz then 100 MHz on the memory bus
>
> clock (DDR =
>
>>///////// 333 -> 266 -> 200). Same result every time -
>
> problem
>
>>///////// persists.
>>///////// M/board BIOS is 'F12', which is the latest on
>
> the Gigabyte
>
>>///////// web site. Not too sure what else I can adjust
>
> without doing
>
>>///////// damage. Kevin.
>>/////////

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>>////////// DL <> wrote:
>>////////// If I understand correctly;
>>////////// Using Duran, win2k installed and booted
>
> correctly
>
>>////////// With XP2400 it wouldnt boot (Win98 is I
>
> believe slightly
>
>>////////// more hardware 'fault' tolerant)
>>////////// If this is the case might suggest a mobo
>
> setting, with this
>
>>////////// cpu, or possibly bios update required.
>>////////// What is the mobo?
>>//////////
>>////////// "Kevin Lawton" <> wrote in message
>>////////// news:c60fh8\$dc7\$1@sparta.btinternet.com...
>>////////// I'm on about as minimal as the system can go
>
> anyway, the
>
>>////////// only card being the Matrix G400 graphics
>
> card.
>
>>////////// I've tried swapping every system component
>
> individually
>
>>////////// for a replacement – except for the processor
>
> (expensive
>
>>////////// !). The
>>////////// same result every time – the system hangs
>
> when the
>
>>////////// 'Starting Windows' progress bar completes.
>
> With a fresh
>
>>////////// install, this
>>////////// is as far as I can get – the install
>>////////// hasn't completed sufficiently to give me any
>
> 'recovery'
>

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>>////////// options.
>>////////// I did try swapping out the XP2400 processor
>
> for an old
>
>>////////// Duron 650 – and it worked fine ! Problem
>
> with that is
>
>>////////// that the Duron 650 doesn't give enough
>
> performance for the
>
>>////////// video editing I'm
>>////////// planning to do.
>>////////// After the system was fully working with the
>
> Duron 650 I
>
>>////////// went back to the XP2400 and the problem
>
> re-emerged just
>
>>////////// the same.
>>////////// I also tried installing Windows Me and that
>
> runs on the
>
>>////////// XP2400 fine, so I'm not inclined to blame the
>
> processor.
>
>>////////// Could there be something which Windows 2000
>
> is doing with
>
>>////////// the XP2400 which doesn't happen with a
>
> different processor
>
>>////////// or op system ?
>>////////// I'm really confused with this – any help
>
> gratefully
>
>>////////// appreciated. Kevin.
>>//////////
>>////////// DL <> wrote:
>>////////// Tried installing to min sys, Monitor, KeyB,
>
> mouse,cd – no

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>
>>////////// cards, extra hardware
>>////////// and or with a single DDR?
>>//////////
>>////////// "Kevin Lawton" <> wrote in message
>>//////////
>
> news:15bf201c41b60\$b9c8a000\$a601280a@phx.gbl...
>
>>////////// I've just installed Windows 2000 onto a new
>
> machine and
>
>>////////// it hangs indefinitely when the 'Starting
>
> Windows'
>
>>////////// progress bar completes. No error messages
>
> or re-boots –
>
>>////////// it just hangs. Machine spec:
>>////////// AMD XP2400 processor,
>>////////// Gigabyte GA-7VRXP m/board,
>>////////// 2 x 256 Mb DDR PC2700 RAM,
>>////////// 330w PSU,
>>////////// Seagate 60 Gb HDD.
>>////////// The m/board, memory and HDD have been
>
> swapped-out with no
>
>>////////// change in result. The system can boot into
>
> DOS, from
>
>>////////// either floppy or HD fine.
>>////////// I think I might have seen similar problems
>
> reported
>
>>////////// before, but don't recall seeing any
>
> solution.
>
>>////////// Please help.
>>////////// Regards,
>>////////// Kevin.
>>
>>
>
>

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>