

## Re: CF Service Packs impacting registry auto start functionality?

**Source:**

<http://www.tech-archive.net/Archive/DotNet/microsoft.public.dotnet.framework.compactframework/2004-04/1905.htm>

---

**From:** Chris Tacke, eMVP ([ctacke\[at\]Open\\_NET\\_CF\[dot\]org](mailto:ctacke[at]Open_NET_CF[dot]org))

**Date:** 04/28/04

Date: Tue, 27 Apr 2004 22:17:53 -0400

If you follow that path, I'd not auto-launch the CF app, but instead write a C shim app that calls IsAPIReady then CreateProcess on the CF app.

-Chris

"Paul G. Tobey [eMVP]" <[ptobey\\_no\\_spam@instrument\\_no\\_spam.com](mailto:ptobey_no_spam@instrument_no_spam.com)> wrote in message news:O7GGG1KLEHA.3052@TK2MSFTNGP12.phx.gbl...

> At a guess, what is probably going on is that something in the startup code

> for SP2 is counting on an OS capability being up-and-running, but, at the  
> time when you are being launched, it's not yet there. As to what that  
> capability (or API), that might be, I have no idea. If it were me, I'd  
> adjust the list of dependencies in the Init keys to load your program as  
> late during startup as possible, in hopes that the API will be ready by  
> then. Are you absolutely sure that *\*none\** of the parts of your program  
that

> you wrote is being executed? If your main routine is being run, you could  
> P/Invoke the IsAPIReady() call to wait for the right thing to be running,  
> assuming we can figure out what that right thing is...

>

> Paul T.

>

> "Tristan Leonard" <[trisco2001@hotmail.com](mailto:trisco2001@hotmail.com)> wrote in message

> news:5f7bc8aa.0404271449.3722025c@posting.google.com...

>> This is a question I posed to Jon Box, someone some of you might

>> recognize. He then suggested I post my question on this group (which

>> he refers to as "The Newsgroup") which I had been previously unaware

>> of!

>>

>> My problem, in a nutshell, is this: After installing CF SP2 to fix one

>> problem another problem has arisen that I cannot effeciently get

>> around.

>>

>> To go slightly further, the new problem is about the registry loosing

>> the ability to auto-start my application upon soft reset in order to

> > *keep the user from interacting with the operating system normally.*  
> >  
> > *Now, to go beyond the nutshell, I am trying to develop a Kiosk Mode*  
> > *system for mobile applications and part of its functionality was to*  
> > *add a path to itself in the registry (specifically, the Init key*  
> > *within HKEY\_LOCAL\_MACHINE) so that it would start automatically upon a*  
> > *soft reset. Under Service Pack 1 of the Compact Framework, this method*  
> > *worked wonderfully; the application would start itself even before the*  
> > *Start Menu and the 'desktop' (i.e. the Today Screen) was shown. But*  
> > *there was a problem: the button control did not support KeyDown,*  
> > *KeyPress or KeyUp events which another class of mine that handles key*  
> > *configuration used to handle input from the device's hardware buttons.*  
> > *Thankfully, this issue was solved in the Compact Framework's Service*  
> > *Pack 2; now all controls carry the key events and buttons can receive*  
> > *the focus and still process events from the hardware keys such as*  
> > *Calendar or Tasks (when the messages have been intercepted using the*  
> > *Game API).*  
> >  
> > *But another problem cropped up afterward: now the entry into the*  
> > *registry which specifies when my software loads during startup is*  
> > *being completely ignored; our software fails to load at all. I have*  
> > *tried this on the HP iPAQ running Windows Mobile 2003 and on an*  
> > *Intermec i700 running Pocket PC 2002. I have hard reset both of them*  
> > *and noticed that, upon deployment, the program will load but input*  
> > *will cease to work once a button control has received focus but, at*  
> > *this point, the program will load on startup. Then I will install the*  
> > *SP2 patch for the Compact Framework and input will work after a button*  
> > *control has received focus but the program will not load on soft*  
> > *reset. I will then uninstall SP2 and redeploy (the original version of*  
> > *the CF will load during deployment) and the original behavior returns.*  
> >  
> > *I am a little curious as to why the Service Pack of the Compact*  
> > *Framework would change the behavior of something which seems to be*  
> > *operating system specific rather than software development specific. I*  
> > *am able to confirm that my edit to the registry is made in both cases;*  
> > *it appears that under SP2 the registry is simply being ignored. Has*  
> > *anyone else had this problem? Are there any other solutions besides*  
> > *HKEY\_LOCAL\_MACHINE\Init that could help me here? We are aware that we*  
> > *may put the application or a shortcut to it inside the*  
> > *\Windows\Startup folder but, for that to work, the shell must load*  
> > *first and that reveals the start bar to the user (if only for a*  
> > *moment) and that's a drawback we would prefer to avoid.*  
> >  
> > *Any information would be helpful, and I'm glad to have found this*  
> > *place. Thanks a lot.*  
> >  
> > *Tristan Leonard*  
> >  
> >  
> >