

Re: manual FBreseat question

Source:

<http://www.tech-archive.net/Archive/WinXP/microsoft.public.windowsxp.embedded/2007-12/msg00045.html>

- *From:* Chip <Chip@xxxxxxxxxxxxxxxxxxxxxxxxxxxxxx>
 - *Date:* Tue, 4 Dec 2007 08:59:02 -0800
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Hi Kevin,

Thanks for your help. It appeared what I did was very similar to yours except you are running batch files under admin and user logon and I was manually changing the registry by regedit. My application actually worked right after changing CURRENT_USER in the registry. When I re-logged on as a user, my user shell launched my company software with no problem. The problem was after I did a manual fbreseat and deploying the same image to the target computer, the user shell didn't launch my application and found out CURRENT_USER... that I had added was missing by the confirmation of regedit.

Currently, I am trying KM's suggestion by loading the key of my interest (CURRENT_USER...) offline from the registry after fbreseat. I think I should be able to find out whether it is the problem of the fbreseat tool or the sdimg. I will keep you guys posted.

The other thing I may look at is the compatibility issue that arose from my recent upgrade from XP SP2 to FP2007. The development tool and component db were upgraded to FP2007 but my configuration has not. I am thinking there could be issues on running dependency checking of SP2 configuration with FP2007 Dependency checker.

Regards,

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Chip

"Kevin Benstead" wrote:

I can't explain why your registry settings are getting trashed but at least I can offer a way around the problem.

We had similar problems with our application.

We got around it as follows.

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We set up a couple of batch files in a directory on c: (we called it 'firstboot').

The first batch file is run after logon as administrator when the system first boots the cloned disk (A shortcut to the batch file is on the administrators desktop). It does a number of things:

1. Sets the computer name and workgroup (these are defined very carefully we can't accept the OEM-xxxxyyxxxx format)
2. Adds autologon registry keys and the registry keys for different shells for different users (the LOCAL_MACHINE keys)
3. Re-boots the system

Then when the system re-boots it automatically logs on as our 'user' to a windows shell we run the second batch file (again a shortcut is on the users desktop) which adds the CURRENT_USER bits of the registry to run our app as a shell then re-boots again. then the system automatically logs on as user and runs our app.

doing it this way is no real hardship for us, we have to test the unit anyway (soemtimes with external test programs) so these couple of steps are simply included in our test procedure.

Hope this is of help.

"KM" wrote:

Chip,

When you shutdown the image after the manual reseal, can you open up the user hive offline (please use regedit/Load Hive function on a regular XP machine) to see if the registry value is still there? Just trying to understand who is responsible for cleaning up the value from the registry – cloning process or fbreseat or something else.

Also, I suggest you to check if switching to a different shell application works on your image before you reseal the image. In other words, after you add the value, reboot the device and try to log in as the user to see if the shell has changed. If worked, you can reseal the image then.

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Regards,
KM

Hi KM,

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I was trying to follow Sean Liming's great article "Different Shells for Different Users" at <http://msdn2.microsoft.com/en-us/library/ms838576.aspx>. My intention was to create two different shells for two different accounts to run my company's medical device software. One was the administrator shell that allowed the administrator to use the explorer shell to run our software plus any admin task needed. The other one was user shell that would automatically start our company software upon user logon. I included Admin Account, User Account, and Explorer Shell components in my configuration. I changed the value of the key `HKEY_LOCAL_MACHINE\Software\Microsoft\Windows NT\CurrentVersion\IniFileMapping\system.ini\boot\Shell` to `"USR:Software\Microsoft\Windows NT\CurrentVersion\Winlogon"` through the "Extra Registry Data" in the configuration. In my System Cloning Tool Component, I changed `cmiReseatPhase` from default 12000 to 0 and `cmiRemoveUserSettings` from TRUE to FALSE. I ran dependency check, built the image and booted XPE.

Then I logged on as a user and started registry editor to add the key `"HKEY_Current_User\Software\Microsoft\Windows NT\CurrentVersion\Winlogon\Shell"` and the value `"D:\My Company\MyFolder\MyApp.exe"`.

Then I logged on as an administrator and ran `"fbreseat -keepall"` (after an unsuccessful attempt to do `fbreseat` in user account). After I deployed the image with `sdimg` to the target computer, booted the image and logged on as a "user". `MyApp.exe` wasn't started. Instead, I saw a regular explorer environment. So I used registry editor and confirmed that the key `"HKEY_Current_User\Software\Microsoft\Windows NT\CurrentVersion\Winlogon\Shell"` and the value `"D:\My Company\MyFolder\MyApp.exe"` are missing.

Thanks.

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Chip

"KM" wrote:

Chip,

First of all, you don't run fbreseat from WinPE. It must be launched from within a session of the runtime itself. Running fbreseat indeed requires the admin privileges.

I don't know why the registry value you added logged under the user account didn't persist through the cloning process but could you provide more details on what registry key/value did you change/add?

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Regards,
KM

"Chip"
<Chip@xxxxxxxxxxxxxxxxxxxxxxxxxxxx>
wrote in message
news:9ACE7F79-FC10-495D-B323-A4374C08F793@xxxxxxxxxxxxxxxxxxxx

Hi,

I have difficulty of using manual FBreseat. My configuration has Administrator Account and User Account components. In my System Cloning Tool Component, I changed cmiReseatPhase from default 12000 to 0 (so that I can reseat the machine manually) and cmiRemoveUserSettings from default TRUE to FALSE (so that I can keep want I change in user

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account). After FBA and before reseal, I logged on as a user and used registry editor to add a key and value. I closed the registry editor and open a cmd window and typed "fbreseat -keepall". An error message popped up: "FBreseat requires administrator privilege". So I logged off user account and logged on as an administrator, opened a cmd window and type "fbreseat -keepall". Then I saw "Machine Resealed" message. Then I used sdimgr to create sdi file for the sealed image. After that, I deployed the sdi file (by using sdimgr) to the target computer that has a clean and formatted hard drive. After booting the XPE image successfully and logged on as a user, I couldn't find the key and value in the registry, which I added before machine reseal.

Then I thought what I did for the manual fbreseat in the administrator account was incorrect because the change made in user account was lost. So next time I repeated the same process except trying a little different thing for manual fbreseat. After I made the change to the registry in the user account, I rebooted the computer with WinPE CD. Then I changed to C:\Windows\system32 folder and typed "FBreseat -keepall", I got an error

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message "SetupCL is missing". What have I done wrong?

Is there a way that I can keep my change in the registry in user account after FBA and carry the change to the deployment?

Additional Info: My build was created in XPE SP2 but I upgraded the development tool and component database to FP2007 three weeks ago. But I didn't upgrade the components in my configuration to FP2007 for the fear of causing problems to my configuration. I did the dependency check and creating the image in FP2007. I believe technically I am still working on XPE SP2.

Thanks in advance

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Chip