

Re: IPPhone provisioning in CE 6 R2

Source:

<http://www.tech-archive.net/Archive/WindowsCE/microsoft.public.windowsce.embedded/2008-02/msg00203.html>

- *From:* Jothishankar <shankarvj@xxxxxxxx>
 - *Date:* Mon, 18 Feb 2008 13:07:19 -0800 (PST)
-

On Feb 14, 1:45 pm, Jothishankar <shanka...@xxxxxxxx> wrote:

On Feb 14, 11:15 am, "Gunasekaran Ramanujam"

<gunasekaran.ramanu...@xxxxxxxx> wrote:

More findings:

The bootstrap based configuration follows a deploy mechanism formally,
more
details below

<http://msdn2.microsoft.com/en-us/library/bb667108.aspx>

-g

"Gunasekaran Ramanujam" <gunasekaran.ramanu...@xxxxxxxx> wrote in
message

news:edWPLBqbIHA.3696@xxxxxxxxxxxxxxxxxxxxxxxxxxxx

ok atleast i managed to bootstrap the device and retrieve the
provisioning
file.

it should be placed under FTP://<device-macaddr>.xml. The
reason why
provisioning.xml is not accepted here is the bootstrap app is

Re: IPPhone provisioning in CE 6 R2

for
managing the enterprise voip infrastructure where the admin
can modify the
settings for the device and place it in the FTP server from
which
the device will pickup and autoupdate the config. So here
every config
becomes device instance specific, which can be addressed by
means of
macaddr.xml

u need to add these reg entries
ServerName,UserName,Password @
HKLM\System\VoIP\Bootstrap
though i tried to use the registry setting
HKLM\System\VoIP\Bootstrap\ServerInfoLocation = 1 it
didnt work so had to
hard code choice.

and a small tweak to the code
@bootstrapsample/engine.cpp::751; modify
code as
// check where we should get bootstrap server info from
BOOTSTRAP_QUERY_CHOICES QueryChoice =
BOOTSTRAP_GET_FROM_DHCP;
/*RegistryGetDWORD(
SN_VOIP_BOOTSTRAPSERVER_ROOT,
SN_VOIP_BOOTSTRAPSERVER_PATH,
SN_VOIP_BOOTSTRAPSERVER_INFOLOCATION,
(DWORD*)&QueryChoice
); */
// patch to always get bootstrap info from registry
QueryChoice = BOOTSTRAP_GET_FROM_REGISTRY;

now the device is able to retrieve the provision
<macaddr.xml> from the
FTP server.
But still the device didnt apply the settings as i think i had
made
something wrong in the xml file; and i was in no mood to
probe further as
i got it working when i
manually setup the configs.

Re: IPPhone provisioning in CE 6 R2

Re shankars issue of hotkey registration i didnt probe more as that was

not the prime focus; so i just commented the code

```
@bootstrapsample/ui.cpp::352
/*HRESULT hr = PHRegisterHotKeys(
L"Bootstrap",
m_hwnd
);
if (FAILED(hr))
{
ASSERT(FALSE);
LOG_MESSAGE(_RETAIL,
ZONE_BOOTSTRAP_ERROR, (L"Failed to
registering the hotkey\n"));
return FALSE;
}*/
```

PS: Shankar, incase u still cant get the provisioning going or not

interested to run a FTP server for testing stuff in emulator; but u still

want the persistancy of settings,

just hardcode the line settings in fp_voip.reg which can be choosen by the

device. not sure, may be it will require a small tweak.

Hope this helps for you.

–Gunasekaran Ramanujam

Thanks for all this useful information Guna. I'll work on it and get back to you soon.

Hi Guna,

I tried out what you said and it works. I did the tweaks in the code as you suggested and now the bootstrap application gets the server setting registry, gets the xml file from the ftp server and able to provision the application. The only thing I was not able to follow was how the BOOTSTRAP_GET_FROM_DHCP and ServerInfoLocation works and why it did not work for you.

But still I would like to have the option to be able to manually

Re: IPPhone provisioning in CE 6 R2

Re: IPPhone provisioning in CE 6 R2

provision (instead of FTP) by placing the xml file in a particular location in the device and reboot, so that it picks up the new settings. If there is anyway to do that, it would be helpful. For now, I'll stick with the FTP provisioning.

Anyway, thanks for all the help. I really appreciate it.

Thanks,
Jothishankar