

# Re: Issue when changing IP address from Static to DHCP

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*Source:*

<http://www.tech-archive.net/Archive/WindowsCE/microsoft.public.windowsce.platbuilder/2005-07/msg00908.html>

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- *From:* "Michael--J" <[MichaelJ@xxxxxxxxxxxxxxxxxxxxxxxxxxxxx](mailto:MichaelJ@xxxxxxxxxxxxxxxxxxxxxxxxxxxxx)>
  - *Date:* Mon, 25 Jul 2005 23:51:01 -0700
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Hi Paul,

Sorry for the very late reply. The IP address of my desktop computer is 10.10.0.x. When the device boots, it now gets an ip address assigned to it, and it is 10.10.0.y. I dont know how it booted to a static ip address before... Anyway, i use "Windows CE Remote Management Tool" to log into the device's network configuration. In "Device Management" -> "Configure Network" is has the following info:

LAN90001:

- DHCP enabled
- IP Address: 10.10.0.188
- Subnet: 255.255.255.0
- DNS1: 10.10.0.a
- DNS2: 10.10.0.b

USB Cable:

- DHCP disabled
- IP Address: 192.168.55.101
- Subnet 255.255.255.0
- DNS1: 127.0.0.1

I try to run the server on my desktop and the client on the pxa board and it doesn't work properly. I then changed the ip address of the device to static (192.168.0.21) and ran it again - it worked great. I hope i have given you the info you asked for. Thanks.

"Paul G. Tobey [eMVP]" wrote:

- > The format of the IP address suggests that there was no network connection
- > established in the first case. What's the IP address of your desktop
- > computer? It would have to be on the same subnet as the CE device, or there
- > would have to be a router between them. 192.168.x.x sounds like something
- > associated with Active Sync. If you're trying to share network shares
- > through AS, I think that's the performance problem. Clear up for us whether
- > you are using a network adapter, how it is configured, etc. DHCP and static
- > IP addressing have no effect, as long as the addresses set are valid in each

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> case, on file sharing performance...  
>  
> Paul T.  
>  
> "Michael--J" <MichaelJ@xxxxxxxxxxxxxxxxxxxxxxxxxxxx> wrote in message  
> [news:23C25953-DDAD-4FE8-8D42-075EAC95128B@xxxxxxxxxxxxxxxxxxxx](mailto:news:23C25953-DDAD-4FE8-8D42-075EAC95128B@xxxxxxxxxxxxxxxxxxxx)  
>> Hi,  
>>  
>> I have a board with a PXA270 chip which has a Win CE 5.0 image loaded on  
>> it.  
>> When booting, the board is given a static IP address of 192.168.0.21 (or  
>> something like that). I can open up Platform Builder and use Remote  
>> Registry  
>> Editor to edit the registry (the device is connected to my dev PC via  
>> ActiveSync on a USB cable). I can run a client application written in c# -  
>> it  
>> basically connects to a server running on my dev PC and plays "TCP packet  
>> tennis" by sending an object to the server and the server echoes it, and  
>> then  
>> the client echoes it and so on...  
>>  
>> I then needed to set up file sharing on the device. I couldn't do this  
>> with  
>> the static ip for some reason, so i decided to change the it to a dhcp ip  
>> address. This gave it an ip of 10.10.0.xxx, a subnet mask of  
>> 255.255.255.0,  
>> and gateway 10.10.0.yyy. I was able to access the "Windows CE Remote  
>> Management Tool" using IE on my dev PC. I gave permission to share the  
>> flash  
>> drive and the \Windows folder. I then typed \\10.10.0.xxx on my browser  
>> and  
>> it worked but it took forever to load. When i browse the shared folders,  
>> they  
>> too take a long time to load - it's very inconvenient and not very  
>> feasible  
>> to be put out in the field. I then tried running my app - it ran but it  
>> didn't work as nicely as before - it kept receiving packets in segments...  
>> I  
>> then tried running the Remote Registry editor again and it wouldn't work.  
>> Sometimes it would load, but i could browse the main keys. Other times it  
>> wouldn't even load.  
>>  
>> I then decided to change the ip address back to the static version and  
>> everything worked fine except for file sharing. What is going on here?  
>> Thanks  
>> in advance.  
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>  
>  
>  
>

- **Follow-Ups:**
  - ◆ **Re: Issue when changing IP address from Static to DHCP**
    - ◇ From: Michael--J
  
- **References:**
  - ◆ **Issue when changing IP address from Static to DHCP**
    - ◇ From: Michael--J
  - ◆ **Re: Issue when changing IP address from Static to DHCP**
    - ◇ From: Paul G. Tobey [eMVP]
  
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