

## Re: Modifying IP address by modifying the registry programatically

*Source:*

[http://www.derkeiler.com/Newsgroups/microsoft.public.windowsxp.security\\_admin/2002-08/8216.html](http://www.derkeiler.com/Newsgroups/microsoft.public.windowsxp.security_admin/2002-08/8216.html)

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*From:* Bijesh.V.M. ([bijesh\\_vm@hotmail.com](mailto:bijesh_vm@hotmail.com))

*Date:* 08/13/02

From: [bijesh\\_vm@hotmail.com](mailto:bijesh_vm@hotmail.com) (Bijesh.V.M.)

Date: 12 Aug 2002 22:38:12 -0700

Hi Kent,

I tried the netsh command in XP. It worked properly and I am planning to invoke that from my program for modifying the IP address. Thanks a lot.

I have certain doubts with regard to the "netsh" command. Here are the experimental steps done by me.

- (1) Used the "netsh -c interface dump > p.txt" for copying the network configuration information to the file.
- (2) Modified the IP address in the file by editing it.
- (3) Used the "netsh -f p.txt" command for setting the updated config information.

Now, the new IP address is set for the machine (let it be Machine A). I checked this by pinging the new IP address from another machine (Machine B) in the network. It worked.

But, when I pinged using the host name instead of IP address, it failed.

Here is the info with respect to the steps undertaken after the host name ping failure:

- (a) I tried the "netconfig flushdns" command for updating the DNS cache of the machine (Machine B). But the hostname pinging failed again.
- (b) I tried the "netconfig registerdns" also, and then pinged again, but with negative result.

(c) I tried the pinging after restarting Machine B, it was successful.

(d) Also I got pinging successful without any restart, when I tried ping after about 20 minutes.

Now I came to the following conclusions

(a) Netsh command makes it possible to change the IP address without

restarting the machine.

(b) But the changed IP address and its association with the host name is not updated to the rest of the machines in the network.

(c) Every machine in the network updates the IP configuration periodically

Here are my further queries.

(1) Could you provide the details on, where to look for information regarding the DNS cache flushing and related things. Any site?

(2) Also, Is there any command similar to "netsh" in Windows NT 4.0?

Thanx in advance.

Bijesh "Kent W. England [MVP]" <kwe@mvps.org> wrote in message news:<Ognb6yXQCHA.2688@tkmsftngp13>...

> *I didn't correlate this thread with any other. So long as he understands that netsh is there if he needs it ...*

>

> --

> *Kent W. England, MS MVP for Windows XP*

> *(Please respond only in the newsgroup)*

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> *Roger Abell [MVP] <mvpNOSPAM@asu.edu> wrote:*

>

>> *"Kent W. England [MVP]" <kwe@mvps.org> wrote in message*

>> *news:eNM30i0PCHA.1648@tkmsftngp08...*

>> *netsh interface /?*

>>

>> --

>> *Kent W. England, MS MVP for Windows XP*

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>> *I totally agree Kent, but Bijesh seems to have rejected*

>> *the mention of using netsh made in his earlier thread.*

>> *netsh would be the way to avoid the interactions of*

>> *the reg keys.*