

Re: Deactivating Windows Network Receiving Procedures via Registry

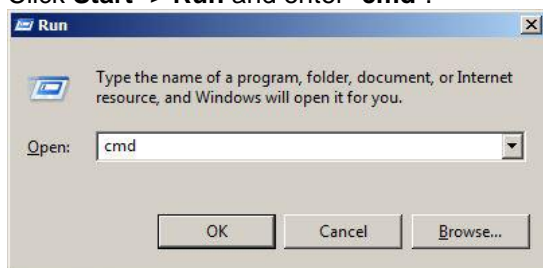
To all of our customers and partners;

Enterprise clients, who wish to establish and maintain remote connection to a large number of i3 Servers, may benefit from deactivating two of the Windows OS network receiving procedures via Windows registry. By updating two registry keys, the system will allow for faster connections and transfers between multiple nodes. To achieve best connection performance, i3 International recommends optimizing the network according to the instructions below, in order to be able to receive video data faster and circumvent Windows default latency after a successful connection to the remote i3 Server site.

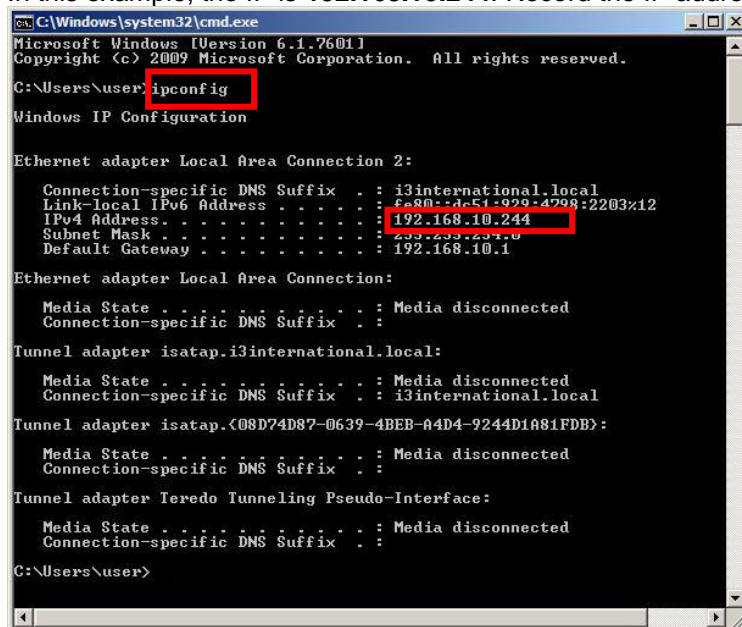
Note: You must have system administrator rights to complete these steps.

To update the registry keys manually, follow instructions below:

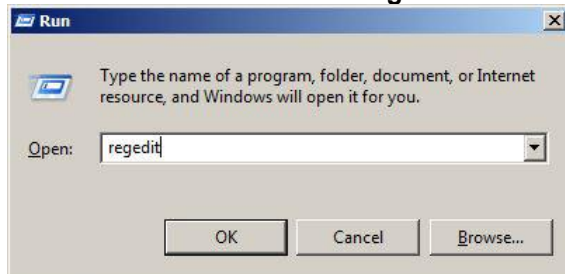
1. Click **Start -> Run** and enter “cmd”.



2. In the Command window, type “**ipconfig**” and press **Enter** on your keyboard.
3. Under Ethernet adapter Local Area Connection section, locate your **IP address**. In this example, the IP is **192.168.10.244**. Record the IP address.



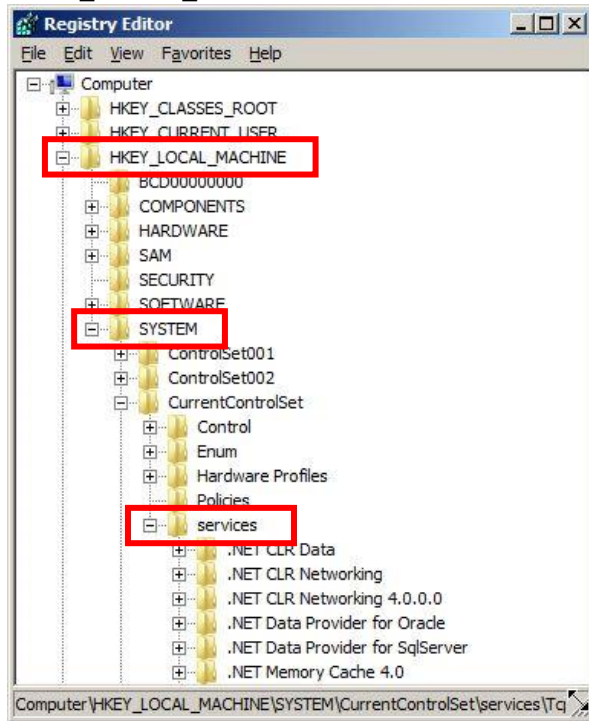
4. Click **Start -> Run** and enter “**regedit**”. See image.



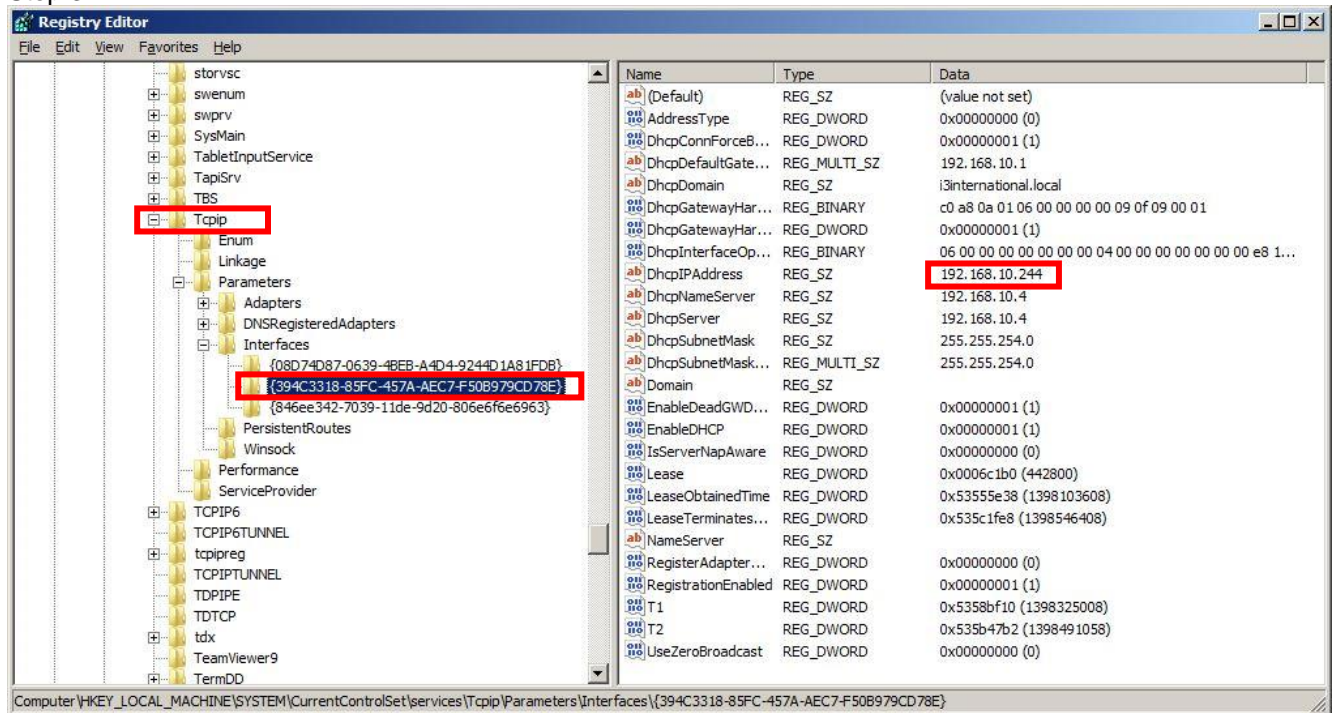
5. In *User Account Control* window, enter your password (if prompted) and click **Yes**.
Note: You must have system administrator rights to complete these steps.

- Navigate to the following registry key by expanding the “+” sign beside the items in the registry tree in the left-hand pane.

HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\Tcpip\Parameters\Interfaces

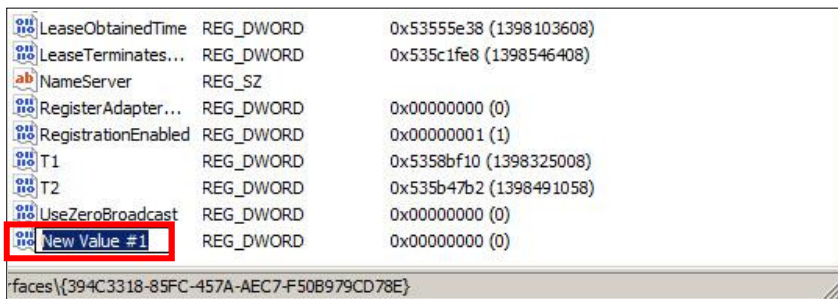
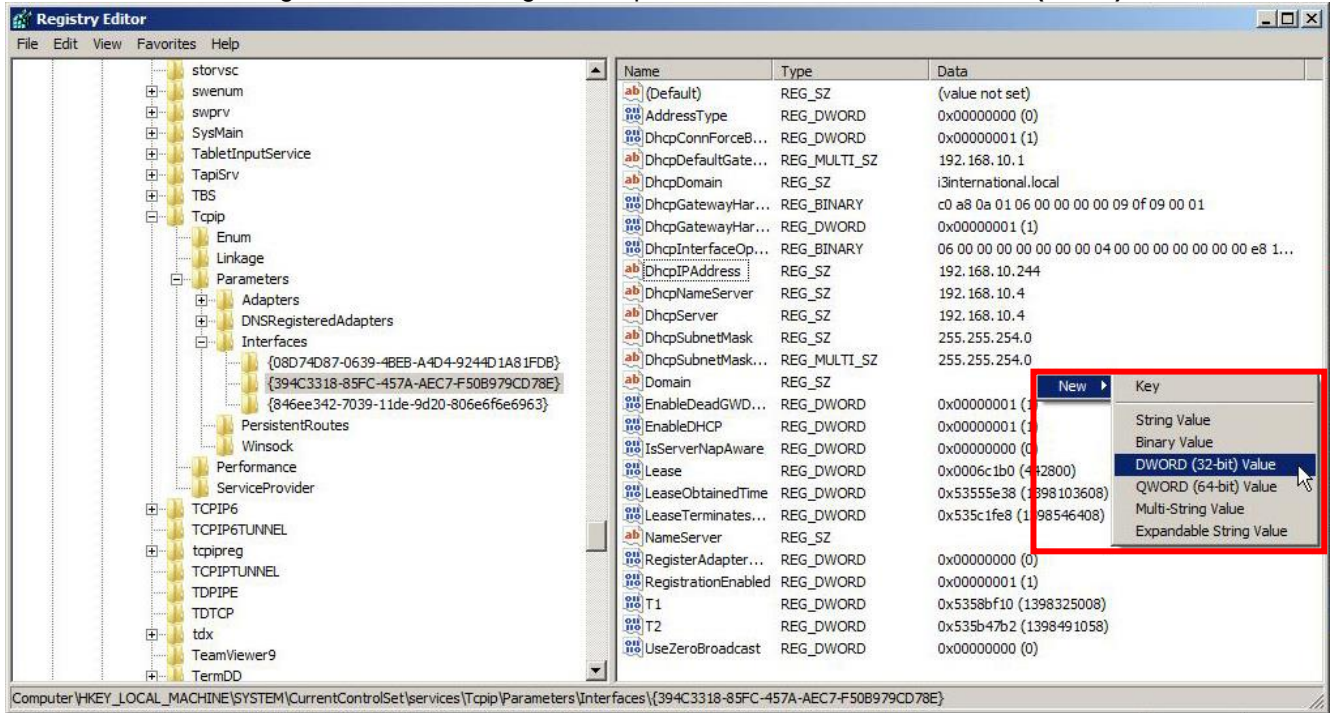


- Under Interfaces item, you will find network interface devices represented by a long string of alphanumeric characters. Click on each one to find the item that has the previously recorded IP Address from Step 3.

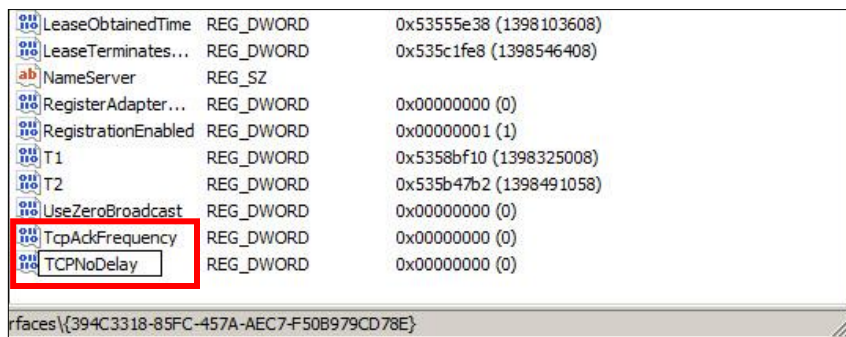


- Once you have identified the correct network interface, create two new entries: “**TcpAckFrequency**” and “**TCPNoDelay**”. Important: The entries are case-sensitive.

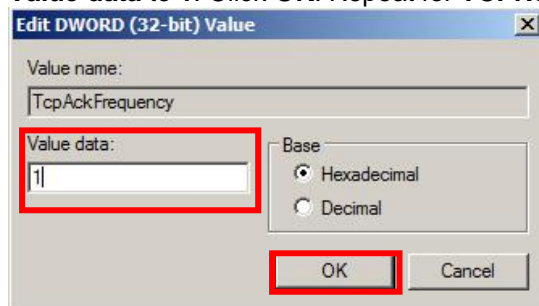
9. To create the entries, right-click inside the right-hand pane and select **New -> DWORD (32-bit) Value**.



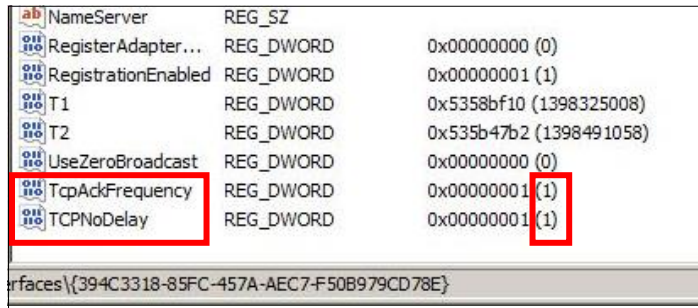
10. Name the first entry **"TcpAckFrequency"**. Then repeat Step 9 and name the second entry **"TCPNoDelay"**. Important: The entries are case-sensitive.



11. Double-click the **TcpAckFrequency** entry. In the *Edit DWORD (32-bit) Value* window, change the **Value data** to 1. Click **OK**. Repeat for **TCPNoDelay** entry.



12. Ensure that two registry entries appear in your Registry Editor as in the image below. The entries are case-sensitive, so double-check the spelling. The value for both entries must be set to **(1)**.



NameServer	REG_SZ	
RegisterAdapter...	REG_DWORD	0x00000000 (0)
RegistrationEnabled	REG_DWORD	0x00000001 (1)
T1	REG_DWORD	0x5358bf10 (1398325008)
T2	REG_DWORD	0x535b47b2 (1398491058)
UseZeroBroadcast	REG_DWORD	0x00000000 (0)
TcpAckFrequency	REG_DWORD	0x00000001 (1)
TCPNoDelay	REG_DWORD	0x00000001 (1)

13. Close Registry Editor and reboot the machine.

Thank you very much for your attention and cooperation.

Please contact technical support if you have any questions or issues.

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Live Chat: <http://www.i3international.com/webim/client.php?locale=en>

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