

# Re: TCP/IP Properties Windows Server 2003

---

*Source:*

<http://www.tech-archive.net/Archive/Windows/microsoft.public.windows.server.general/2007-01/msg01523.html>

---

- *From:* "Dominic" <[dominic.marsat@xxxxxxxx](mailto:dominic.marsat@xxxxxxxx)>
  - *Date:* 31 Jan 2007 08:55:31 -0800
- 

On 31 Jan, 16:01, "Herb Martin" <n...@xxxxxxxxxxxxxxxx> wrote:

"Dominic" <[dominic.mar...@xxxxxxxx](mailto:dominic.mar...@xxxxxxxx)> wrote in message

[news:1170258837.998010.78070@xx](mailto:news:1170258837.998010.78070@xx)

On 31 Jan, 15:35, "Herb Martin" <n...@xxxxxxxxxxxxxxxx> wrote:

"Dominic" <[dominic.mar...@xxxxxxxx](mailto:dominic.mar...@xxxxxxxx)> wrote in message

[news:1170257197.579166.200310@xx](mailto:news:1170257197.579166.200310@xx)

Hi All,

I have tried to change the DNS servers in the 'Internet Protocol (TCP/IP Properties)' dialog box, however receive the error message 'The combination of IP address and subnet mask in invalid. All of the bits in the host address portion of the ip address are set to 1. Please enter a valid combination of IP address and subnet mask'.

Re: TCP/IP Properties Windows Server 2003

My default (pre-configured) settings are:

IP Address: 212.227.xx.xx

Subnet Mask: 255.255.255.255

The subnet mask above is (part of) your problem. This would mean the machine were alone on a subnet by itself, not even a default gateway and so would never make sense.

It should likely be something like 255.255.0.0 or 255.255.255.0 or even 255.255.240.0 but we cannot tell you unless you gives us your real IP numbers in full AND describe your other subnets and routers.

Gateway: 10.255.255.1

The above is also wrong (for this machine) as the Default Gateway needs to be on the SAME subnet with the client/server you are configuring.

For example with the address and mask: 212.227.16.10 mask 255.255.255.0 the default gateway would perhaps be 212.227.16.1 (or any other address that starts with 212.227.16 (between 1 and 254, and not used by some other machine.)

I've googled for a solution but can find anything. This seems to be the most relevant:<http://www.pcreview.co.uk/forums/thread-215168.php> . I don't understand what's wrong with the settings.

Re: TCP/IP Properties Windows Server 2003

My server is running Windows 2003 web edition.

Doesn't matter the above is true for XP, 98, MACs and Linux etc.

It's a dedicated server on the 1&1 network.

I don't know what the "1&1" network would be.

The full IP address is 212.227.21.59. It came pre-configured with those settings and I haven't had to change them until now.

What is the address of the Router (default gateway) on that SAME network? (maybe 212.227.21.1 or some other 212.227.21.x )

A couple of days ago my server was unable to make DNS loop ups using the preferred and alternate servers (195.20.224.99 and 195.20.224.234).

Perfectly reasonable (if they are reasonably close by) as DNS can travel over routers.

I have tested with nslookup using other DNS servers on the 1&1 network. No problem there. After several hours on the phone to 1&1 support I have a list of other DNS servers but unable to change because of the subnet mask error message.

1&1 have changed something on their network (they won't admit to it) or the two DNS servers I have been using.

You have both your MASK and your Default Gateway address screwed up as noted in the previous post.

Fix those and it will likely work again.

---

Re: TCP/IP Properties Windows Server 2003

Herb Martin, MCSE, MVP <http://www.LearnQuick.Com>  
(phone on web site)– Hide quoted text –

– Show quoted text –

Thanks for your help Herb. I've emailed them for the correct settings.

Why is the web server still operational with the wrong gateway? What's caused the settings to change, if they've changed at all? I can't believe it's been setup like this in the first place.

.