

## Re: Event ID 1000 (Userenv) Error and Event ID 8021 (BROWSER) Error

**Source:** <http://www.tech-archive.net/Archive/Win2000/microsoft.public.win2000.dns/2004-03/0052.html>

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**Date:** 03/01/04

Date: Mon, 1 Mar 2004 10:05:50 -0500

In news:4042D440.FEF08EAC@N\_O\_S\_P\_A\_M\_cox.net,  
Ohaya <ohaya@N\_O\_S\_P\_A\_M\_cox.net> posted their thoughts, then I offered mine

- > *Kevin,*
- >
- > *You have some good questions, and I only have answers to some of them*
- > *unfortunately :(...*
- >
- > *First of all, my desire/intention is to build this 2-machine network*
- > *such that it's kind of a standalone ("standalone", in a limited sense)*
- > *Windows domain, but physically connected to an external network.*
- >
- > *The "machine A" runs an IIS web server, and we need "inward" access*
- > *(from clients on the external network) to this web server, but, in*
- > *general, we don't need, or want to allow, "outward" access (from*
- > *machine*
- > *A, or machine B) to the external network.*
- >
- > *The reason for the machine A/machine B configuration is that machine B*
- > *runs a database which is accessed by our web application (which runs*
- > *on machine A), and also, we want to manage all the machines on this*
- > *internal network (consisting of machines A & B) using GPOs, etc. from*
- > *machine A.*
- >
- > *Now here's the way that I think that things work (and they are, for*
- > *the*
- > *most part, working):*
- >
- > *You noted that we don't define a gateway for either NIC2 on machine A*
- > *or*
- > *NIC1 on machine B, but you'll also note that NIC2/machine A and*
- > *NIC1/machine B are on the same subnet (IP addresses 192.168.1.xx). In*
- > *addition, both NIC2/machine A and NIC1/machine B point to machine B*
- > *for*
- > *their DNS server.*
- >

> *[I'm being a bit vague here] When something in machine A wants to*  
> *connect to either machine A or machine B, since the DNS IP address*  
> *points to machine B, name resolution gets handled by the DNS server on*  
> *machine B.*  
>  
> *As to how it "gets out without a gateway", I think it works somewhat*  
> *akin to a 2-computer network using a cross-over cable (and without a*  
> *router) but, in our case, we're using a switch between the 2 computers*  
> *(instead of a cross-over cable). My understanding is that in such a*  
> *configuration, packets with source/destination address get sent out*  
> *the*  
> *NIC on the source machine, and the machine with the matching*  
> *destination address will simply receive those packets.*  
>  
>  
> *Here are the answers to some of your questions (I think):*  
>  
> *Q1) "How is the internal DNS resolving external names with out a*  
> *gateway?"*  
> *A1) We DON'T WANT the internal DNS (on machine B) to resolve external*  
> *names.*  
>  
> *Q2) "Do you have NAT on the member server?"*  
> *A2) No, we don't.*  
>  
> *Q3) "You have no gateways listed for any NIC, how do you get out*  
> *without*  
> *a gateway?"*  
> *A3) My guess is per what I wrote above.*  
>  
>  
> *BTW, you mentioned above that:*  
>  
> *"> You cannot have TCP/IP without DNS in Win2k if you leave DNS blank*  
> *it*  
> *will*  
>> *pick up the loopback address or use DHCP to get the DNS server."*  
>  
> *Do you know that the above (that it will either default to the*  
> *loopback address or use DHCP to get the IP of the DNS server) is*  
> *true? The*  
> *reason that I'm asking is that this might be at least part of the*  
> *question in my earlier thread ("How is resolution working?").*  
>  
> *If so, can you point me to some documentation about this? Also, if*  
> *you*  
> *know, under what circumstances would it default to the loopback*  
> *address*  
> *vs. trying to get the DNS server IP from DHCP?*  
>  
> *Jim*

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To add, if you want external communication, you'll need to specify a gateway, unless you do not want to have Internet communication from this machine?

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Regards,

Ace

Please direct all replies to the newsgroup so all can benefit.

This posting is provided "AS IS" with no warranties.

Ace Fekay, MCSE 2000, MCSE+I, MCSA, MCT, MVP

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