

## Re: service principal name for the VMRC server could not be regist

**Source:**

[http://www.tech-archive.net/Archive/Win2000/microsoft.public.win2000.active\\_directory/2005-02/0026.html](http://www.tech-archive.net/Archive/Win2000/microsoft.public.win2000.active_directory/2005-02/0026.html)

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**From:** Nils M. Lunde (*nilsml\_at\_options.no.nospam*)

**Date:** 01/26/05

Date: Wed, 26 Jan 2005 12:24:24 +0100

Thank you for this thorough answer!

I've tried what you suggested, but my problem is that setspn-program doesn't find the NetworkService account.

Should I create a new account and run the VirtualServer service using this?

Another question: Do I have to run setspn.exe each time I restart the server, or will it be persistant?

Cheers,

Nils Magne Lunde

"Benny Hauk" <BennyHauk@discussions.microsoft.com> wrote in message news:F34A60B7-D45F-4E02-B6E3-62823E088C34@microsoft.com...

>I think I can offer a solution for this one. I have run into the exact

>same

> problem trying to get Kerberos delegated authentication to work in SQL

> Server

> when the service is running as a specified domain user account instead of

> System.

>

> First off you will need the setspn.exe utility. I found it on the Windows

> 2000 Resource Kit CD, but it may be found other places as well (may be

> online, not sure). Once you have it, run this command:

>

> setspn.exe -L [DOMAINNAME][USERACCOUNT]

>

> where [USERACCOUNT is the account you want to run the service as. In your

> case, since DCOM uses the default "HOST" service, you should be looking

> for a

> line that looks like:

>

> HOST/[DNSHOSTNAME]

>

> My guess is that you will find that the line doesn't exist. Simply type

> this command:

microsoft.public.win2000.active\_directory: Re: service principal name for the VMRC server could not be regist

>  
> *setspn.exe -A HOST/[DNSHOSTNAME] [DOMAINNAME]\[USERACCOUNT]*  
>  
> *EXAMPLE (if you worked for ebay, perhaps):*  
> *setspn.exe -A HOST/virtserver01.ebay.com ebay\Administrator*  
>  
> *And verify that the entry shows up now by running this again:*  
>  
> *setspn.exe -L [DOMAINNAME]\[USERACCOUNT]*  
>  
> *Now try running the service with that user account and see if it works.*  
> *It's slowly becoming clearer to me why SPNs are needed and what role they*  
> *play in Kerberos authentication. However, I don't think I have a strong*  
> *enough grasp of it to clearly explain it to anyone.*  
>  
> *Here's how MS explains it when it's SQLServer being used and not DCOM:*  
> *[http://msdn.microsoft.com/library/en-us/adminsql/ad\\_security\\_2gmm.asp](http://msdn.microsoft.com/library/en-us/adminsql/ad_security_2gmm.asp)*  
>  
> *I've cross-referenced a couple other microsoft newsgroups in hopes for*  
> *verification/further explanation (this falls more into Kerberos*  
> *authentication than Server virtualization). The only thing I'm unsure of*  
> *is*  
> *whether you need to include a port number when running the "setspn -A"*  
> *command above (something like: setspn.exe -A*  
> *HOST/virtserver01.ebay.com:[DCOM\_TCPPORT] ebay\Administrator). My guess*  
> *is*  
> *that you don't.*  
>  
> *Can anyone from microsoft offer any additional advice?*  
> *Benny Hauk, Systems Engineer*  
>  
> *"Nils M. Lunde" wrote:*  
>  
>> *Ok, this is what I've found out:*  
>> *The reason why we are getting this message is because the user that the*  
>> *VirtualServer service runs as, doesn't have the credentials needed to*  
>> *create*  
>> *4 different server principle names.*  
>>  
>> *I tried to run the VirtualServer service using the System account, and it*  
>> *was working like a charm.*  
>>  
>> *So, we need to find out why the user, in most cases the Network Service*  
>> *user, does not have the credentials needed to create the spn's. Per*  
>> *default*  
>> *in Windows 2003 Server this user is supposed to be able to do this.*  
>>  
>> *Anyone??*  
>>  
>> *-Nils Magne*  
>>

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microsoft.public.win2000.active\_directory: Re: service principal name for the VMRC server could not be regist

>> "Nils M. Lunde" <nilsm@options.no.nospam> wrote in message  
>> news:epZbufM%23EHA.3472@TK2MSFTNGP14.phx.gbl...  
>> > Have you been able to solve this?  
>> > I have the same issue on my Windows Server 2003.  
>> > It was working fine, and then all of a sudden I started getting this  
>> > message.  
>> > I am still able to us the Virtual Server, but it takes forever to start  
>> > the service.  
>> >  
>> > -Nils Magne  
>> >  
>> > "WintelRob" <WintelRob@discussions.microsoft.com> wrote in message  
>> > news:96C99C88-DCAB-456D-B1F8-9785A2BCF67D@microsoft.com...  
>> >> Sorry for the long message, but I wanted to provide the neccessary  
>> >> details.  
>> >>  
>> >> I'm sure this has been addressed in the past, but I could find nothing  
>> >> anywhere, except for one BLOG on the Internet.  
>> >>  
>> >> I have been getting errors with Virtual Server since the trial expired  
>> >> and I  
>> >> re-installed a purchased copy.  
>> >>  
>> >> I have nothing in the "Deny" list in the "Virtual Server" DCOM+  
>> >> object,  
>> >> and  
>> >> this software was working on my system. The trial expired. I've  
>> >> installed  
>> >> a  
>> >> purchased copy, but same error no matter what.  
>> >>  
>> >> Tried changing the "Virtual Server", as well as the "VMRC components".  
>> >> Also,  
>> >> tried adding SERVICE.  
>> >>  
>> >> The service that the Virtual Server runs under in via "NT Authority"  
>> >> and  
>> >> the  
>> >> account name is not available to add within apps or the DCOM+  
>> >> components.  
>> >>  
>> >> Here's the Event Log error message:  
>> >>  
>> >> "The service principal name for the VMRC server could not be  
>> >> registered.  
>> >> Automatic authentication will always use NTLM authentication. Error  
>> >> 0x8007200b - The attribute syntax specified to the directory service  
>> >> is  
>> >> invalid."  
>> >>  
>> >>

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microsoft.public.win2000.active\_directory: Re: service principal name for the VMRC server could not be regist

>> >> *The event ID 1029 doesn't exist anywhere.*  
>> >>  
>> >> *The user is "NT AUTHORITY\NETWORK SERVICE" which you can't add to*  
>> >> *anything.*  
>> >>  
>> >> *The service is running, but it isn't working, and it cannot be*  
>> >> *administered.*  
>> >>  
>> >> *I am running Windows XP SP2 with the latest available patches and*  
>> >> *updates.*  
>> >>  
>> >> *When I originally installed Virtual Server on XP with SP1, it was*  
>> >> *great.*  
>> >> *Then, installing SP2 broke it. I fixed the DCOM+ component, and then*  
>> >> *it*  
>> >> *worked again. For 180 days or so.*  
>> >>  
>> >> *I rebooted, and something I did made the system workable now, though*  
>> >> *I'm*  
>> >> *not*  
>> >> *sure if it was addition of "SYSTEM" to the DCOM+ object, or what. So,*  
>> >> *could*  
>> >> *someone tell what the \*appropriate\* settings are for the Virtual*  
>> >> *Server*  
>> >> *DCOM+*  
>> >> *object? I probably gave way more permissions than necessary.*  
>> >>  
>> >> *Thanks!!!*  
>> >>  
>> >> *(I'll post any helpful responses back to that BLOG, since it seems to*  
>> >> *be*  
>> >> *the*  
>> >> *only page that shows up in a search for that error message.)*  
>> >  
>> >  
>>  
>>  
>>