

# Re: DR procedure per smallbizserver.net

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*Source:*

<http://www.tech-archive.net/Archive/Windows/microsoft.public.windows.server.sbs/2005-05/msg03308.html>

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- *From:* "Andrew Gericke" <[amgerick@xxxxxxxxxx](mailto:amgerick@xxxxxxxxxx)>
  - *Date:* Sat, 14 May 2005 17:48:34 +0200
- 

Hi,

This is great info. Just one question, this process of verifying the IP addresses and changing if necessary because of different network adaptors, is this done immediatly after the first reboot after the actual restore from tape, and when still in safe mode thus? Or does one reboot to safe mode after the DR, allow all new devices to install and then reboot again to normal mode before begining this process below?

Thanks Marina and Les

Andrew

"Les Connor [SBS Community Member – SBS MVP]" <[les.connor@xxxxxxxxxxxxxx](mailto:les.connor@xxxxxxxxxxxxxx)> wrote in message news:OR5TTqBWFHA.376@xxxxxxxxxxxxxxxxxxxxxxxxxxxxx  
He didn't anticipate the disaster, so he didn't have the opportunity for loopbacks.

from the doc on the MS site, BKU\_BkupRstr.doc – white paper should be available on the SBS download page.

After your computer restarts, if you are restoring to hardware that has different network adapters, you must verify the IP address of each card in the system and change it, if necessary, by using the following procedure:

Click Start, click Control Panel, and then double-click Network Connections.

Right-click a network connection, and choose Properties.

Select Internet Protocol (TCP/IP), and then click Properties.

For an internal network adapter, change the IP address to the exact IP address it had before the backup. In the IP address dialog box, type the IP address it had before the backup. In the Subnet mask dialog box, type your subnet mask (for example, 255.255.255.0). Leave the Default gateway dialog box blank, and in the Preferred DNS Server dialog box, type the IP address of the server.

**Note**

If the IP address that the server had before the backup is not available, you can look it up in DNS Management. Click Start, click Administrative Tools, and then click DNS. In the dnsmgmt console, expand the server name, expand Forward Lookup Zones and then select the internal domain. In the details pane, the server name appears with the IP address.

For an external network adapter, if it had a static IP address, you need to change the address. If the adapter had a dynamic IP address or if you have only one network adapter, you do not need to change the address. To change the IP address, consult your Internet service provider (ISP) for its static IP settings. In the Internet Protocol (TCP/IP) Properties page, type the IP settings that your ISP provides.

Click Start, click Server Management and then click Internet and E-mail. Click Connect to the Internet and follow the instructions in the Configure Email & Internet Connection Wizard.

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Les Connor [SBS Community Member – SBS MVP]

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SBS Rocks !

"Marina Roos [SBS-MVP]" <marina@xxxxxxxxxxxxxxxxxxxxxxxx> wrote in message news:OAYRYcBWFHA.3216@xxxxxxxxxxxxxxxxxxxxxxxx

> Hi Andrew,

>

> Did you actually read the document on the site? It does mention to install  
> loopback adapters, to disable the old nics, to configure the loopback  
> adapter, than change the mobo, boot in dr mode and install the new nic  
> drivers etcetera. If you are not able to do the loopback part before  
> changing the mobo, you will always end up with a boot in dr mode (as that is  
> the quickest) and have to remove the old adapters and install the new  
> adapters.

>

> --

> Regards,

>

> Marina Roos

> Microsoft SBS-MVP

> One of the Magical M&M's

> www.smallbizserver.net

> Take part in SBS forum:

> <http://www.smallbizserver.net/Default.aspx?tabid=53>

>

> "Andrew Gericke" <amgerick@xxxxxxxx> schreef in bericht

> news:uVRJG4AWFHA.2740@xxxxxxxxxxxxxxxxxxxxxxxx

>> Thanks Marina,

>>

>> Am I then understanding that where the NIC's are different in the new  
>> server, a DR is not actually possible? Or is there a way in safe mode of  
>> adding back the LAN Network connection, the TCP/IP services and bindings  
>> manually?

>>

>> My apologies for the probably stupid questions, but I really want to fully  
>> understand this whole DR scenario, and be 100% prepared for next time

> (hope

>> it never happens tho).

>>

>> Thanks and kind regards,

>>

>> Andrew

>>

>> "Marina Roos [SBS-MVP]" <marina@xxxxxxxxxxxxxxxxxxxxxxxx> wrote in  
> message

>> news:%2386uxtAWFHA.2420@xxxxxxxxxxxxxxxxxxxxxxxx

>>> Hi Andrew,

>>>

>>> If you haven't been able to use the loopback method, there is no way of  
>>> transferring the config of the nics.

>>>

>>> --

>>> Regards,

>>>

>>> Marina Roos

>>> Microsoft SBS-MVP

>>> One of the Magical M&M's

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>>> "Andrew Gericke" <amgerick@xxxxxxxx> schreef in bericht

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>> > news:O0rXlBawFHA.3840@xxxxxxxxxxxxxxxxxxxxxxxxx  
>> >> ok this all seems to link in to the fact that the hardware is  
> different,  
>> >> particularly the NIC's. So now my question becomes one of, how do you  
> do  
>> >> a  
>> >> DR when the NIC's in particular are a different make etc, and where  
>> > because  
>> >> of the complete failure of the "old" server one would not have had the  
>> >> opportunity to install loopback adaptors to hold the NIC settings. So  
> now  
>> >> after booting into safe mode after the DR, it installs the new drivers  
>> >> for  
>> >> the new NIC's but hides the old NIC's. Fine, one can remove the old  
> nics  
>> > by  
>> >> following the Magical M&M's article on this topic, but how do you  
> migrate  
>> >> the config and bindings of the old nic's to the new?  
>> >>  
>> >> Thanks  
>> >>  
>> >> Andrew  
>> >> "Andrew Gericke" <amgerick@xxxxxxxxxx> wrote in message  
>> >> news:e7GRQDAWFHA.3532@xxxxxxxxxxxxxxxxxxxxxxxxx  
>> >> > Hi,  
>> >> >  
>> >> > Just found something else, and very relevant to the problem, but do  
> not  
>> >> > know how to resolve it.  
>> >> >  
>> >> > While the NIC is visible under device manager, under "Network  
>> > Connections"  
>> >> > of control panel, there is nothing, not a single entry, and if I  
> select  
>> >> > Advanced... Advanced Settings, there is nothing either. Obviously  
> since  
>> > I  
>> >> > no longer have a Local Area Connection, this is what is causing the  
>> >> > huge  
>> >> > speed/logon problem on booting to normal mode. How do I recreate the  
>> > Local  
>> >> > Area connection?  
>> >> >  
>> >> > Thanks  
>> >> >  
>> >> > Andrew  
>> >> >  
>> >> >  
>> >> > "Andrew Gericke" <amgerick@xxxxxxxxxx> wrote in message  
>> >> > news:uhZ\$YJ%23VFHA.2928@xxxxxxxxxxxxxxxxxxxxxxxxx  
>> >> >> Hi Marina  
>> >> >>  
>> >> >> Thanks for that email. I am sure your advice is 100% correct here.  
>> > After  
>> >> >> approximately 8 hours, the server logon screen has now appeared and  
> I  
>> > can  
>> >> >> type in the password etc. However, if I look at device manager  
>> >> >> (admittedly, I must have missed this the first time around and didnt  
>> >> >> check device manager as such, only allowed the system to install all  
>> >> the

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>>>> new device drivers, being new hardware), the current and new NIC is  
>>>> listed as "Intel.... Network Connection #2".  
>>>>  
>>>> I suspect thus that the system still thinks there is another network  
>>>> connection somewhere, and has all the bindings messed up. Since the  
>>>> old  
>>>> NIC is not in this test server, the control panel is not now showing  
>>>> Network connection #1. How can I find this hidden device, remove it  
>>>> and  
>>>> fix all the bindings?  
>>>>  
>>>> Any advice much appreciated.  
>>>>  
>>>> Kind regards,  
>>>>  
>>>> Andrew  
>>>>  
>>>>  
>>>>  
>>>>  
>>>>  
>>>> "Marina Roos [SBS-MVP]" <marina@xxxxxxxxxxxxxxxxxxxxxxxx> wrote in  
>>>> message news:%23QgEza6VFHA.2684@xxxxxxxxxxxxxxxxxxxxxxxx  
>>>>> Hi Andrew,  
>>>>>  
>>>>>> Did you read that article completely? Did you check device  
> management  
>>>>>> after  
>>>>>> the first boot, checked for hidden devices, checked the network  
>>>>>> config  
>>>>>> etcetera? When booting takes such a long time, it almost always  
>>>>>> points  
>>>>>> to  
>>>>>> the network settings that got messed up a bit.  
>>>>>>  
>>>>>> --  
>>>>>> Regards,  
>>>>>>  
>>>>>> Marina Roos  
>>>>>> Microsoft SBS-MVP  
>>>>>> One of the Magical M&M's  
>>>>>> www.smallbizserver.net  
>>>>>> Take part in SBS forum:  
>>>>>> <http://www.smallbizserver.net/Default.aspx?tabid=53>  
>>>>>>  
>>>>>> "Andrew Gericke" <amgerick@xxxxxxxx> schreef in bericht  
>>>>>> news:OXUO1Y4VFHA.1148@xxxxxxxxxxxxxxxxxxxxxxxx  
>>>>>>> Hi  
>>>>>>>  
>>>>>>>> We recently lost the system partition off the drive of our  
> SBS2003.  
>>>>>>>> Fortunately we were able to recover the partition using a  
> partition  
>>>>>>>> utility  
>>>>>>>> app. However, before we did we tried to do a restore from our  
>>>>>>>> backups  
>>>>>>>> (having used ArcServe exclusively up to that point), but concluded  
>>> that  
>>>>>>>> because of our method of backup we were completely ill prepared  
> for  
>>>>>>>> a  
>>>>>>>> DR

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>> >> >>>> situation.  
>> >> >>>>  
>> >> >>>> I have in the last two days decided to follow the backup and DR  
>> >> >>>> procedure  
>> >> >>>> from the smallbizserver.net website. The whole DR seems to have  
>> > worked  
>> >> >>> fine,  
>> >> >>>> right up to the last sentence. The last sentence says that the  
>> > machine  
>> >> >>> might  
>> >> >>>> take some time to come up after booting to normal mode the first  
>> >> >>>> time  
>> >> >>> (this  
>> >> >>>> after first booting to safe mode to allow the installation of all  
>> >> >>>> the  
>> >> >>>> new  
>> >> >>>> device drivers – new hardware for this test). Fine, I allowed the  
>> >> >>>> machine  
>> >> >>> to  
>> >> >>>> just sit on the dialoge "preparing network connections" through  
> the  
>> >> >>>> night,  
>> >> >>>> and sure enough, trhis morning I was on the logon screen. however  
>> > after  
>> >> >>>> logging on I noticed from services that the Exchange store and  
>> > various  
>> >> >>> other  
>> >> >>>> services had not started. So I figured I would just do another  
>> > reboot.  
>> >> >>>> Now  
>> >> >>>> I  
>> >> >>>> am sitting with the "preparing network connections" message on the  
>> >> >>>> screen  
>> >> >>>> again, and it has been there for the last hour. What am I doing  
>> > wrong,  
>> >> >>>> since  
>> >> >>>> I can't imagine that everytime I reboot I have to wait 3 or 4  
> hours  
>> >> >>>> before  
>> >> >>>> I  
>> >> >>>> can logon after doing a DR?  
>> >> >>>>  
>> >> >>>> Also, the procedure for the DR says "do not select the hive  
>> > containing  
>> >> >>>> you  
>> >> >>>> exchange server backup". When does the exchange store (priv and  
> pub)  
>> >> >>>> get  
>> >> >>>> restored then? Do I still need to go and do a restore of the  
> store's  
>> >> >>>> once  
>> >> >>>> I  
>> >> >>>> get this machine to boot, or has that happened through the file  
>> > restore  
>> >> >>>> process?  
>> >> >>>>  
>> >> >>>> Thanks for the help  
>> >> >>>>  
>> >> >>>> Andrew  
>> >> >>>>  
>> >> >>>>  
>> >> >>>>

