

Re: upgrade windows 2000 server to sbs2k3

Source:

<http://www.tech-archive.net/Archive/Windows/microsoft.public.windows.server.sbs/2005-01/5009.html>

From: Pedro Ferreira aka Dundee (*prilhao_at_hotmail.com*)

Date: 01/18/05

Date: Tue, 18 Jan 2005 09:55:46 +0000

Mark Jesiel wrote:

> *First off, how many DC's do you have anyway? The easiest way to upgrade a
> Windows 2000 domain to SBS2003 is upgrade an existing win2k DC.*

>

> *Read the article below, it works, done it.*

>

> **INTRODUCTION**

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> *This article describes how to install a Microsoft Windows Small Business
> Server (SBS) 2003-based computer in an existing domain.*

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> **Warning**

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> *You should use the steps that are described in this article as an outline
> for how to install a new SBS 2003 computer in an existing domain to maintain
> the existing Active Directory directory service infrastructure. You should
> not use this article to add an SBS 2003 computer to a network where there is
> an existing SBS 2000 or SBS 2003 domain controller for migration purposes.
> For that, use the migration white papers. To view the migration white papers,
> visit the following Web site:*

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> <http://www.microsoft.com/WindowsServer2003/sbs/upgrade/default.msp>

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> *This article does not intend to provide a migration solution. However, if you use the steps in this article to join an existing domain that already contains an SBS 2003 computer or an SBS 2000 computer, you will have to demote the existing SBS server by manually running Dcpromo.exe to remove the computer from the domain. This retirement process must occur within 14 days of adding the new SBS 2003 computer to the domain or the new SBS 2003 computer may display warnings and shut down periodically.*

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> *The following conditions must be true after you install the new SBS 2003 computer in an existing domain or the new SBS 2003 computer may display warnings and shut down periodically:*

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> – *The new SBS 2003 computer must be a domain controller that is*

>

> *installed on the root of the domain.*

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> – *The new SBS 2003 computer must hold all the Flexible Single Master*

>

> *Operation (FSMO) roles.*

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> – *The new SBS 2003 computer must be a global catalog server and must be*

>

> *the licensing server.*

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> – *There must not be any existing domain trusts or child domains.*

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> – *Only one SBS server can exist on the domain. If SBS 2003 is*

>

> *installed, no other SBS 2003 or 2000 server can be installed on the*

>

> *same domain.*

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> *Failure to meet these conditions may cause the SBS 2003 server to shut down.*
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>
> *For additional information, click the following article number to view the*
> *article in the Microsoft Knowledge Base:*
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>
> *KBLink:842690.KB.[LN]: List of components that are included in*
> *Windows*
>
> *Small Business Server 2003*
>
>
>
> *MORE INFORMATION*
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> =====
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>
> *To install a SBS 2003 computer in an existing Active Directory domain,*
> *follow these steps:*
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>
>
> *1. On a Windows 2000 domain, you must prepare Active Directory before you*
> *install the SBS 2003 computer in the domain.*
>
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>
>
>
> *For additional information about how to install a Windows Server 2003 domain*
> *controller into an existing Windows 2000 forest, click the following article*
> *number to view the article in the Microsoft Knowledge Base:*
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>
> *KBLink:278875.KB.[LN]: Cannot promote a Windows Server 2003*
> *domain*
>
> *controller into a Windows 2000 forest*
>
>
>
> *2. Start the installation of SBS 2003 by inserting CD 1 into the CD or*
>
> *DVD drive.*
>
>
>
> *3. When the operating system is installed and the computer restarts and*
>
> *continues with the integrated Setup program, click "Cancel" to stop the*
>
> *integrated Setup program. Note You must cancel the integrated Setup*
>
> *program at this point. If you continue with the integrated Setup, you*
>
> *cannot join the SBS 2003 computer to the existing domain.*
>
>
>
> *4. On the SBS 2003 computer, configure a static IP address on the*
>
> *network card and make sure to configure DNS to include the existing*
>
> *server that hosts the Active Directory zone. Note You can ping other*
>
> *computers on the network by using their Fully Qualified Domain Names*
>
> *(FQDNs) after you complete this procedure.*
>
>
>
> *5. Run the Dcpromo.exe program on the SBS 2003 computer to join the*
> *existing domain.*
>
>
>
> *Note Do not create a new forest and do not create a child domain.*
>
>
>
> *a. Click "Start", click "Run", type "dcpromo" (without*
> *the quotation marks), and then click "OK".*

- >
- >
- >
- > *b. Click "Next" two times.*
- >
- >
- >
- > *c. Click "Additional Domain Controller for an existing*
- > *domain", and then click "Next".*
- >
- >
- >
- > *d. Enter the credentials for the domain administrator*
- > *account, and then click "Next".*
- >
- >
- >
- >
- >
- > *e. In the "Domain name" area, type the FQDN for the*
- > *Active Directory domain namespace that you want to join, and then click*
- > *"Next". For example, type "contoso.local". If you are not sure of the FQDN,*
- > *you can click "Browse" to select the correct domain.*
- >
- >
- >
- > *f. Click "Next" to accept the default locations for the*
- > *Database and Log folders.*
- >
- >
- >
- > *g. Click "Next" to accept the default locations for the*
- > *shared system volume.*
- >
- >
- >
- > *Note If you have to change the location of the*
- > *shared system volume, you must select an NTFS file system volume.*
- >
- >
- >
- > *h. Type the Directory Services Restore Mode*
- > *administrator password, and then click "Next".*
- >
- >
- >
- > *Note This is the password that you would use in*
- > *Directory Services Restore Mode or when you use Recovery Console.*
- >
- >
- >

- > *i. On the Summary screen, click "Next" to start the*
- > *Dcpromo.exe program. This process may take several minutes.*
- >
- >
- >
- >
- >
- > *j. Click "Finish" to complete the Dcpromo.exe program,*
- > *and then click "Restart Now".*
- >
- >
- >
- >
- >
- > *k. Log on to the computer after it restarts and confirm*
- > *that the computer has been successfully promoted to a domain controller. To*
- > *do this, click "Start", click "Run", type "cmd" (without the quotation*
- > *marks), and then click "OK".*
- >
- >
- >
- > *l. At the command prompt, type "gettype" (without the*
- > *quotation marks), and then press ENTER. The output should read as follows:*
- >
- >
- >
- > *Host Name: <ServerName>*
- >
- > *Name: Windows Server 2003 for Small Business Server*
- >
- >
- >
- > *Version: 5.2 Build 3790*
- >
- >
- >
- > *Role: Domain Controller*
- >
- >
- >
- > *Components: Not Installed*
- >
- >
- >
- > *6. Install the DNS server service.*
- >
- > *To do this, follow these steps:*
- >
- >
- >
- > *a. Click "Start", point to "Control Panel", and then*

> click "Add/Remove Programs".

>

>

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>

>

> b. Click "Add/Remove Windows Components".

>

>

>

>

>

> c. In the "Windows Components" list, double-click
> "Networking Services".

>

>

>

> d. Click to select the "Domain Name System (DNS)" check
> box, and then click "OK".

>

>

>

> e. Click "Next", and then click "Finish".

>

>

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> For additional information about how to configure a
> DNS server, visit the following Microsoft Web site:

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http://www.microsoft.com/resources/documentation/windowsserv/2003/standard/proddocs/en-us/dns_server_role.asp

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>

>

> 7. Promote the SBS 2003 computer to a global catalog server. To do this,
> follow these steps:

>

>

>

> a. Click "Start", point to "Administrative Tools", and
> then click "Active Directory Sites and Services".

>

>

>

> b. Expand "Sites", expand "Default-First-Site-Name",
> expand "Servers", expand your SBS 2003 computer, right-click "NTDS Settings",

- > and then click "Properties".
- >
- >
- >
- > c. Click the "General" tab, click to select
- > the "Global catalog" check box to assign the role of global catalog to this
- > computer, and then click "OK".
- >
- >
- >
- > d. Restart the computer.
- >
- >
- >
- > Note Wait for the account and the schema information
- > to replicate to the new global catalog server. Wait for event 1119 or event
- > 1869 to be logged in the Directory Services event log with a description that
- > states that the computer is now advertising itself as a global catalog server.
- >
- >
- >
- >
- >
- > 8. After the new computer is successfully promoted to a global catalog
- > server, remove any other global catalog servers in the domain. To do this,
- > follow these steps:
- >
- >
- >
- > a. Click "Start", point to "Administrative Tools", and
- > then click "Active Directory Sites and Services".
- >
- >
- >
- > b. In the console pane, expand "Sites", and then
- > expand "Default-First-Site-Name".
- >
- >
- >
- > c. Expand "Servers", expand any computers other than
- > your SBS 2003 computer, right-click "NTDS Settings", and then click
- > "Properties".
- >
- >
- >
- > Note You may have to repeat this step more than one
- > time if more than one computer is listed, other than the SBS 2003 computer.
- >
- >
- >
- > d. On the "General" tab, click to clear the

> *"Global catalog" check box to assign the role of global catalog to this
> computer, and then click "OK".*

>

>

>

> *Note If the "Global catalog" check box is not
> selected, go to step 8.*

>

>

>

> *e. Restart any computers where you removed the global
> catalog server role.*

>

>

>

> *Note Wait for the account and the schema information
> to replicate to the new global catalog server.*

>

>

>

> *9. Transfer the FSMO roles to the SBS 2003 computer. To do this,
> follow these steps for each FSMO role:*

>

>

>

> *a. Transfer the Relative ID (RID) Master role. To do this:*

>

>

>

> *1. Click "Start", point to "Administrative
> Tools", and then click "Active Directory Users and Computers".*

>

>

>

> *2. Right-click your organization name, click
> "All Tasks", and then click "Operations Masters".*

>

>

>

> *3. In the "Operations Masters"
> dialog box, click the "RID" tab.*

>

>

>

> *4. In the "Operations Masters" dialog box,
> click "Change".*

>

>

>

> *5. Click "Yes" to confirm that you want to
> transfer the role, and then click "OK".*

- >
- >
- >
- > *b. Transfer the PDC Emulator role. To do this:*
- >
- >
- >
- > *a. Click "Start", point to "Administrative*
- > *Tools", and then click "Active Directory Users and Computers".*
- >
- >
- >
- > *b. Right-click your organization name, click*
- > *"All Tasks", and then click "Operations Masters".*
- >
- >
- >
- > *c. In the "Operations Masters"*
- > *dialog box, click the "PDC" tab.*
- >
- >
- >
- > *d. In the "Operations Masters" dialog box,*
- > *click "Change".*
- >
- >
- >
- > *e. Click "Yes" to confirm that you want to*
- > *transfer the role, and then click "OK".*
- >
- >
- >
- > *c. Transfer the Relative ID (RID) Master role. To do this:*
- >
- >
- >
- > *a. Click "Start", point to "Administrative*
- > *Tools", and then click "Active Directory Users and Computers".*
- >
- >
- >
- > *b. Right-click your organization name, click*
- > *"All Tasks", and then click "Operations Masters".*
- >
- >
- >
- > *c. In the "Operations Masters"*
- > *dialog box, click the "Infrastructure" tab.*
- >
- >
- >

- > d. In the "Operations Masters" dialog box,
- > click "Change".
- >
- >
- >
- > e. Click "Yes" to confirm that you want to
- > transfer the role, and then click "OK".
- >
- >
- >
- > d. Transfer the Domain Naming Master role. To do this:
- >
- >
- >
- > a. Click "Start", point to "Administrative
- > Tools", and then click "Active Directory Domains and Trusts".
- >
- >
- >
- > b. Right-click "Active Directory Domains and
- > Trusts", and then click "Operations Master".
- >
- >
- >
- > c. In the "Change Operations Master" dialog
- > box, click "Change".
- >
- >
- >
- > d. Click "Yes" to confirm that you want to
- > transfer the role, and then click "OK".
- >
- >
- >
- > e. Click "Close" to close the dialog box.
- >
- >
- >
- > e. Transfer the Schema Master role. To do this:
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- >
- >
- > a. You can use the Schema Master tool to
- > transfer the role. However, the Schmmgmt.dll file must be registered to use
- > the Schema Master tool as an MMC snap-in. To register Schmmgmt.dll, click
- > "Start", click "Run", type "regsvr32 schmmgmt.dll" (without the quotation
- > marks), and then click "OK".
- >
- >
- >
- > Note You receive a message that confirms that the

- > *registration was successful.*
- >
- >
- >
- > *b. Click "Start", click "Run", type "mmc"*
- > *(without the quotation marks), and then click "OK".*
- >
- >
- >
- > *c. Click "File", and then click "Add/Remove*
- > *Snap-in".*
- >
- >
- >
- > *d. In the "Description" area, click "Add".*
- >
- >
- >
- > *e. Click "Active Directory Schema", click*
- > *"Add", and then click "Close".*
- >
- >
- >
- > *f. Click "OK".*
- >
- >
- >
- > *g. Right-click "Active Directory Schema",*
- > *and then click "Change Domain Controller".*
- >
- >
- >
- > *h. In the "Select DC" area, click "Specify*
- > *Name", type the name of the SBS 2003 computer, and then click "OK".*
- >
- >
- >
- > *i. Right-click "Active Directory Schema",*
- > *and then click "Operations Master".*
- >
- >
- >
- > *j. In the "Change Schema Master" dialog*
- > *box, click "Change".*
- >
- >
- >
- > *k. Click "Yes", click "OK", and then click*
- > *"Close".*
- >
- >

- >
- >
- >
- > *For additional information, click the following*
- > *article number to view the article in the Microsoft Knowledge Base:*
- >
- >
- >
- >
- >
- >
- >
- > *KBLink:324801.KB.[LN]:*
- >
- >
- >
- > *How to view and transfer FSMO roles in Windows*
- > *Server 2003*
- >
- >
- >
- >
- >
- >
- >
- >
- > *10. Move the site licensing server to the SBS 2003 computer. To do this:*
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- >
- >
- > *a. On the SBS 2003 computer, click "Start", point to*
- > *"Administrative Tools", and then click "Active Directory Sites and Services".*
- >
- >
- >
- > *b. Expand "Sites", and then click*
- > *"Default-First-Site-Name".*
- >
- >
- >
- > *c. Right-click "Licensing Site Settings", and then click*
- > *"Properties".*
- >
- >
- >
- > *d. Click "Change", type the name of the new SBS 2003*
- > *computer in the "Enter the object name to select" area, and then click "OK".*
- >
- >
- >
- > *e. Click "OK" to close the "Licensing Site Settings*
- > *Properties" dialog box.*

- > expand "Servers", and then expand the domain controller that you want to
- > replicate from.
- >
- >
- >
- > c. Click "NTDS Settings". One or more objects are listed
- > in the right pane. One of those objects is a link to the domain controller
- > you want to replicate from. To see the "friendly" name of the object,
- > right-click the object and view the name. Right-click the domain controller
- > object, and then click "Replicate Now". The replication is performed
- > immediately.
- >
- >
- >
- >
- >
- > 12. Change the DNS settings on all domain controllers to point to the new
- > SBS 2003 computer as the primary DNS server. To do this, follow these steps.
- >
- >
- >
- > Note Follow these steps on all domain controllers in the Active Directory,
- > including the SBS 2003 computer.
- >
- >
- >
- > a. Click "Start", point to "Control Panel",
- > point to "Network Connections", right-click the internal network connection,
- > and then click "Properties".
- >
- >
- >
- > b. Click to select "Internet Protocol (TCP/IP)", and
- > then click "Properties".
- >
- >
- >
- > c. Change the preferred DNS server. Type the
- > IP address of the SBS 2003 computer as the preferred DNS server. Also, make
- > this change on the SBS 2003 computer.
- >
- >
- >
- > Note The alternative DNS server can point to the
- > previous preferred DNS server as long as it is a server that hosts the Active
- > Directory zone.
- >
- >
- >
- > 13. On the SBS 2003 computer, insert the SBS 2003 CD 1 into the CD or
- >

- > DVD drive and continue with the integrated Setup of SBS 2003 and its
- >
- > components.
- >
- >
- >
- > 14. If you already have Microsoft Exchange Server installed in the
- > organization, the integrated Setup installs Exchange Server into the existing
- > organization. If you already have an Exchange 2003 Server or an Exchange
- > 2000 Server in your organization, and you plan to retire that Exchange
- > Server, you can move the mailboxes and public folders to the new Exchange
- > 2003 Server before you retire the old Exchange Server. To do this:
- >
- >
- >
- > a. On the existing Exchange Server in the organization,
- > open Exchange System Manager. To do this, click "Start", point to "All
- > Programs", point to "Microsoft Exchange", and then click "System Manager".
- >
- >
- >
- > b. At the top of the tree in the left pane, right-click
- > the <Organization Name (Exchange)> icon, and then click "Properties".
- >
- >
- >
- >
- >
- >
- >
- >
- > c. Click to select the "Display administrative groups"
- > check box, click to select the "Display routing groups" check box, and then
- > click "OK".
- >
- >
- >
- > d. Expand the "Recipients" container, and then click
- > "Recipient Update Services".
- >
- >
- >
- > e. Double-click each entry, and then enter the name of
- > the new Exchange Server that is running on the SBS 2003 computer in the
- > "Exchange server" area.
- >
- >
- >
- >
- >
- >
- > f. Expand "Administrative Groups", expand
- > "<Administrative Group Name>", expand "Routing Groups", and then expand

- > *"First Routing Group".*
- >
- >
- >
- > *g. Click "Connectors", right-click your SMTP connector*
- > *if it is present, change the server that is listed in the "Local bridgeheads"*
- > *area to the new SBS 2003 computer, and then click "OK".*
- >
- >
- >
- > *h. In the left pane, under "First Routing Group", click*
- > *"Members".*
- >
- >
- >
- > *i. In the right pane, right-click the new SBS 2003*
- > *computer, and then click "Set as Master".*
- >
- >
- >
- > *j. In the left pane, expand "Administrative Groups",*
- > *expand "<Administrative Group Name>", expand "Servers", and then expand the*
- > *Exchange Server that existed before you added the new Exchange Server on the*
- > *SBS 2003 computer.*
- >
- >
- >
- > *k. Expand "First Storage Group", expand "Mailbox Store",*
- > *and then click "Mailboxes".*
- >
- >
- >
- > *l. Select all the mailboxes, right-click the mailboxes,*
- > *and then click "Exchange Tasks".*
- >
- >
- >
- > *m. In the Exchange Task Wizard, click "Move Mailbox",*
- > *and then click "Next".*
- >
- >
- >
- > *n. Click to select the new SBS 2003 computer in the*
- > *"Server" list, and then click "Next".*
- >
- >
- >
- > *o. Specify how you want the Move Mailbox procedure to*
- > *handle corrupted messages, and then click "Next" two times to re-home all the*
- > *mailboxes to the new SBS 2003 computer.*
- >

- >
- >
- > *Note This procedure also re-homes the public folders*
- > *to the new SBS 2003 computer.*
- >
- >
- >
- > *p. Click "Finish".*
- >
- >
- >
- > *q. As soon as replication is successful, remove Exchange*
- > *Server from the computer that is to be retired. If the computer that is to be*
- > *retired is also a domain controller, run the Dcpromo.exe program to remove*
- > *this computer from the domain before you physically retire it.*
- >
- >
- >
- >
- >
- > *Note You must instruct all Exchange Server users to*
- > *point to the new Exchange Server.*
- >
- >
- >
- >
- >
- >
- >
- >
- >
- > *For additional information, click the following*
- > *article number to view the article in the Microsoft Knowledge Base:*
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- >
- > *KBLink:822931.KB.[LN]:*
- >
- >
- >
- > *How to remove the first Exchange 2003 Server*
- > *computer from the administrative group*
- >
- >
- >
- >
- >
- >
- >
- >
- >

> *If a domain controller is physically removed and the
> Active Directory Installation Wizard (Dcpromo.exe) is not run first to demote
> the domain controller to a member server, the computer object still exists as
> a domain controller in Active Directory. The previous computer object must
> be removed from Active Directory.*

>

>

>

>

>

> *For additional information about how to manually
> remove the configuration data for the domain controller from Active
> Directory, click the following article number to view the article in the
> Microsoft Knowledge Base:*

>

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>

> *KBLink:216498.KB.[LN]:*

>

>

>

> *How to remove data in Active Directory after an
> unsuccessful domain controller demotion*

>

>

>

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>

>

>

> *Note Before you physically retire any domain
> controller on the network, make sure you demote the domain controller by
> using the Dcpromo.exe program.*

>

>

>

> *"Pedro Ferreira aka Dundee" wrote:*

>

>

>>*it was told to me that the best way to put a sbs2k3 on a win 2000 domain
>> and make sbs the master server it was to install win 2000 server on
>>the box that will have sbs, put 2000 server as dc and then update to sbs
>>with the sbs cd's.*

>>*The problem is that i continue with the same issue that i had before
>>when i tried to install sbs and added to the domain.*

>>*The dcpromo ends with success but with a note that says the replication
>>found some errors and after reboot the problem will be solved. But when*

microsoft.public.windows.server.sbs: Re: upgrade windows 2000 server to sbs2k3

>>he reboots the dns is not working right, and i have errors of dns and
>>ntfrs on the event viewer that it cannot contact the domain controller
>>or find the domain.
>>If i go to locals and services of active directory i can't make the
>>replication but on the active directory at Domain controllers i can find
>>the computer as domain controller.
>>I had already done the adprep and domainprep and it all end ok with no
>>errors.
>>Can someone help me to solve this issue?
>>I need to put sbs running as soon as i can..
>>
>>Thanks
>>

Ok,
thanks Mark, i will try it and then i will tell if everything worked ok
and the problem was solved.

Pedro Ferreira