

## RE: Migrate from untrusted hardware (install does have damage)

---

*Source:*

<http://www.tech-archive.net/Archive/Windows/microsoft.public.windows.server.sbs/2006-02/msg03533.html>

---

- *From:* [v-crinal@xxxxxxxxxxxxxxxxxxxxxxxx](mailto:v-crinal@xxxxxxxxxxxxxxxxxxxxxxxx) ("Crina Li")
  - *Date:* Mon, 20 Feb 2006 05:57:39 GMT
- 

Hi Paul,

Thank you for posting in SBS newsgroup.

From the description, do you mean you want to migrate SBS to a different

hardware platform? As the document stated, the hardware must be similar for a restore. This rule can be applied to ALL Windows OS not only SBS. Here, I would like to explain this. When we use SBS 2003 server backup, the system state will be archived. The system state includes AD database, IIS metabase, registry, hardware information and drivers etc. If you restore the system state to a different hardware, the spare server could not operate because the original registry and drivers do not match the hardware abstract layer (HAL) of the destination server.

Actually, we do not support restoring a Windows system including SBS 2003 on a different hardware. If you do that, you may experience some unexpected issues even though you can start the server.

For more information, you can refer to the following document:

Backing Up and Restoring Windows Small Business Server 2003

[http://download.microsoft.com/download/b/d/8/bd8e1a40-d202-429a-8eb7-26300d62bcc9/BKU\\_BkupRstr.doc](http://download.microsoft.com/download/b/d/8/bd8e1a40-d202-429a-8eb7-26300d62bcc9/BKU_BkupRstr.doc)

Also I provide the following disaster recovery steps on SBS:

- \* Use `ldifde` utility to export the user list and mail address list
- \* Use `Exmerge` to export the messages from mailboxes
- \* Use Outlook to export the contents in the public folders to .pst files
- \* Use Outlook to export the Outlook rules
- \* Back up the SharePoint database
- \* Copy other data such as the files in shared folders to other location (removable media, other partition on the server or shared folders on client workstations)
- \* Boot the computer with SBS installation CD. Format the original system

RE: Migrate from untrusted hardware (install does have damage)

partition and clean install SBS 2003 server. When you reinstall the server, you can duplicate the original domain and server name. Also you may use new domain name or server name for this new installation.

- \* After installing all SBS components, configure the SBS server networking configurations by using CEICW
- \* Use SBS add users wizard to create user accounts according to the ldifde list
- \* Use Exmerge to import the messages to mailboxes
- \* Use Outlook to import the messages of public folders
- \* Use Outlook to restore the rules
- \* Restore the SharePoint database
- \* Copy other data back to the server

For ldifde:

=====

Install Windows server 2003 support tools on the server. You may install the tools from SBS installation CD#2.

Open a command prompt and then input the following command: (for example, the server internal FQDN is ds9.starfleet.federation)

```
ldifde -f c:\userlist.txt -s ds9.starfleet.federation -d "dc= starfleet,  
dc= federation" -p subtree -r  
"(&(objectcategory=person)(objectClass=User)(givenname=*))" -l  
"givenname,samaccountname,mail,proxyaddresses"
```

You will get the user names and e-mail addresses from userlist.txt file

More info:

237677 Using LDIFDE to Import and Export Directory Objects to Active Directory

<http://support.microsoft.com/?id=237677>

For Exmerge:

=====

You may download the latest Exmerge utility from the link:

<http://www.microsoft.com/downloads/details.aspx?FamilyId=429163EC-DCDF-47DC-96DA-1C12D67327D5&displaylang=en>

Also, you can find the instruction after decompressing the file

It's recommended to create a dedicated user account (normal user account) to run the Exmerge. You can right-click Exmerge program file and choose 'Run as'. Run the utility as the specific user account. For how to configure this user account, please refer to:

292509 How to configure an account to use the ExMerge utility in Exchange 2000

<http://support.microsoft.com/?id=292509>

322312 When the Mailbox Merge Program Tries to Open the Message Store, the

RE: Migrate from untrusted hardware (install does have damage)

## RE: Migrate from untrusted hardware (install does have damage)

Operation Is Unsuccessful

<http://support.microsoft.com/?id=322312>

823143 How to configure the administrator account to use Exmerge 2003 in

<http://support.microsoft.com/?id=823143>

For public folder migrating:

=====

1. Use an account on Outlook client computer that has administrative rights to log on to a mailbox on the server that is running Windows 2000.
2. On the File menu, point to New, and then click Outlook Data File.
3. Click Personal Folders File (.pst), and then click OK.
4. Name the file Public.pst, save the file to a path that has a lot of free disk space, and then write down the location where the file is saved.  
NOTE: The .pst files have storage limits of 2 gigabytes (GB) each.
5. Accept the default settings that are listed in the "Create Microsoft Personal Folders" dialog box, and then click OK. A new folder group that is named Personal Folders is created in Outlook.
6. In the Outlook folder list, expand Public Folders, and then expand All Public Folders.
7. Drag each top-level public folder that you want to export to the Personal Folders folder that you created in step 4. All top-level public folders and their subfolders are copied.
8. Log off the Outlook client.
9. From the Outlook client, use an account that has administrative rights to log on to a mailbox that is homed on the SBS 2003 server.
10. Create new public folders.
11. On the File menu, point to New, and then click Outlook Data File.
12. Click Personal Folders File (.pst), locate and click the .pst file that you created in step 4, and then click OK two times.
13. Drag the folders from the Personal Folders folder to All Public Folders in the Outlook folder list.

For CEICW:

=====

There is a wizard in SBS 2003 server which can help us easily configure the Internet connections and e-mail settings. Open Server Management console, navigate to 'To Do List'. In the right panel, click 'Connect to the Internet'. For more information:

825763 How to configure Internet access in Windows Small Business Server 2003

<http://support.microsoft.com/?id=825763>

For Outlook rules:

=====

You can use Outlook to export the current rules. Go to the client workstations, open Outlook application. Click 'Tools' -> 'Rules and alerts'. Click 'Options' and then 'Export rules' button. You can export the rules to a file.

For User profiles:

RE: Migrate from untrusted hardware (install does have damage)

RE: Migrate from untrusted hardware (install does have damage)

=====

The above steps will help you install the SBS 2003 server. To preserve client user profiles and settings that were on the original domain to the new SBS 2003 installation, a manual way is documented in the KB article:

314045 HOW TO: Restore a User Profile in Windows 2000

<http://support.microsoft.com/?id=314045>

Another way is to create a local profile, copy the original domain profile to the local profile, and then let the "Setup Computer" wizard do the task "map local profile to new domain profile" for you.

As long as you create your computer accounts using the server manager's "to do list" you will be prompted to migrate profile information. When you join the workstations to the domain by using the web site (ie <http://servername/connectcomputer>) part of the process of joining the domain will allow you to migrate user settings.

However, to use this method, you need to make sure that the profile you want to migrate from is a local user profile (Not a previous domain profile):

1. Before joining the client to SBS 2K3 domain, create a local profile, and then copy the old domain profile to a local profile.
2. Add the SBS Server into the network
3. Use the Setup Computer Wizard in SBS 2003 to join the (now) XP Pro machines to the SBS domain: Server Management, Standard Management, Client Computers, Set Up Client Computers.
4. On the client, access <http://<Server name>/connectcomputer> to bring up the Setup Computer Wizard, it will then allow you to map domain user accounts to local profiles on the machine thus preserving your profiles: "Assign Users to this Computer and Migrate their Profiles".
5. You will Add a domain account to "Users assigned to this computer!", and then choose the existing local user profile in the "Current User Settings". By Default, the value for "Current User Settings" is "None".

For SharePoint database:

=====

829112 How to back up and restore <http://companyweb> data in Windows Small

<http://support.microsoft.com/?id=829112>

827701 How to perform a disaster recovery operation of SharePoint Services

<http://support.microsoft.com/?id=827701>

Due to the complexity of this issue, to save your time, we also recommend you contact CSS for better support.

A suggestion would be to contact Microsoft Product Support Services via telephone so that a dedicated Support Professional can assist with your request. Please be advised that contacting phone support will be a charged call. However, if you are simply requesting a hotfix be sent to you and no

RE: Migrate from untrusted hardware (install does have damage)

RE: Migrate from untrusted hardware (install does have damage)

other support then charges are usually refunded or waived.

To obtain the phone numbers for specific technology request please take a look at the web site listed below.

<http://support.microsoft.com/default.aspx?scid=fh:EN-US:PHONENUMBERS>

If you are outside the US please see <http://support.microsoft.com> for regional support phone numbers.

I appreciate your time and look forward to hearing from you.

Best regards,

Crina Li (MSFT)

Microsoft CSS Online Newsgroup Support

Get Secure! – [www.microsoft.com/security](http://www.microsoft.com/security)

=====

This newsgroup only focuses on SBS technical issues. If you have issues regarding other Microsoft products, you'd better post in the corresponding newsgroups so that they can be resolved in an efficient and timely manner. You can locate the newsgroup here:

<http://www.microsoft.com/communities/newsgroups/en-us/default.aspx>

When opening a new thread via the web interface, we recommend you check the "Notify me of replies" box to receive e-mail notifications when there are any updates in your thread. When responding to posts via your newsreader, please "Reply to Group" so that others may learn and benefit from your issue.

Microsoft engineers can only focus on one issue per thread. Although we provide other information for your reference, we recommend you post different incidents in different threads to keep the thread clean. In doing so, it will ensure your issues are resolved in a timely manner.

For urgent issues, you may want to contact Microsoft CSS directly. Please check <http://support.microsoft.com> for regional support phone numbers.

Any input or comments in this thread are highly appreciated.

=====

This posting is provided "AS IS" with no warranties, and confers no rights.

-----  
| Thread-Topic: Migrate from untrusted hardware (install does have damage)  
|| From: "=?Utf-8?B?UGF1bCBCaXNob3A=?=" <PaulBishop@xxxxxxxxxxxxxxxxxxxxxxxxxxxx>  
| Subject: Migrate from untrusted hardware (install does have damage)

RE: Migrate from untrusted hardware (install does have damage)

RE: Migrate from untrusted hardware (install does have damage)

| Date: Sun, 19 Feb 2006 02:10:26 -0800

| | Newsgroups: microsoft.public.windows.server.sbs

| I am looking to migrate a small business server network off a machine that

| has recently suffered a total failure with its RAID system.

| The company is currently using the old server with an IDE drive which was loaded with the latest backup at the time of the failure.

| During the restore it would seem that there was some damage to the data as I

| was advised to exmerge and then perge a couple of the mailboxes and resetup

| the user in order for them to start reciving email again.

| As the orriginal fault with the server still hasn't been fixed and once it

| is anyway it would be a new RAID controller (IBM's different firmware in the

| new controller would be enough to stop the OS from booting with the existing

| RAID drives :S) I would like to migrate the company to a suitable new server.

| Also the current install still has some issues such as unable to set deligate

| rights in exchange.

| I have currently fully installed SBS2003 but have not made any customisations to it yet.

| I am very tempted by a swing migration but is this wise when there could be

| damage in my Active Directory?

| There are only 25 clients so it isn't too much leg work to disjoin them from

| the old network and then run the connect computer wizard.

| Let me know of any advice you may have on the matter

| Many thanks

| .