

## Re: RAID Problem after restore

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*Source:*

<http://www.tech-archive.net/Archive/Windows/microsoft.public.windows.server.sbs/2007-08/msg03915.html>

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- *From:* seryozha <[seryozha.sundstrom@xxxxxxxxxx](mailto:seryozha.sundstrom@xxxxxxxxxx)>
  - *Date:* Tue, 28 Aug 2007 17:35:26 -0000
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On Aug 28, 3:46 am, v-ter...@xxxxxxxxxxxxxxxxxxxxxxxx (Terence Liu [MSFT]) wrote:

Hello Seryozha,

Thank you for posting here. And thanks for Larry's inputs.

According to your description, I understand that your SBS Adaptec RAID (mirror) lost after the power shutdown. You want to make restore the RAID array SBS system driver. If I have misunderstood the problem, please don't hesitate to let me know.

Based on my research, the Adaptec RAID (mirror) configuration information is store in the Adaptec RAID adapter. The power shutdown may corrupt the mirror configuration information. Therefore, you see 2 duplicate partition in SBS. We have to methods to resolve this issue: repair the Adaptec RAID configuration or use the Windows server 2003 software RAID (mirror) instead.

**Method 1:**

To repair the Adaptec RAID configuration, you have to contact your Adaptec RAID adapter support to get help as Larry's suggestion. This will be a pure hardware issue.

**Method 2:**

To use the Windows server 2003 software RAID (mirror) instead, we need to create mirror RAID in windows disk management console. The following is the detail steps:

Note: Please backup your SBS before we do the following steps.

Backing Up and Restoring Windows Small Business Server 2003<http://go.microsoft.com/fwlink/?LinkId=49916>

Mirror the boot and system volume:

In this scenario, disk 1 is the disk on which the image of disk 0 will be mirrored.

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Note Partitions are referred to as volumes when the disks are dynamic.

1. Disk 1 must be unallocated space before you can proceed with mirroring. Therefore, we need to delete the duplicate partition on disk 1.
2. Right-click disk 0 (which contains the boot and system files), and then click Add Mirror.
3. A dialog box opens in which any disk on your system that is available for mirroring is displayed. Select the disk of your choice (in this example, it is disk 1), and then click Add Mirror.

Both disk 0 and disk 1 will now have the same color code, the same drive letter, and the volumes will have the status note "Regenerating" displayed while the information is being copied from the first disk to the second disk. The system will automatically size the volume of the new mirror to the same size as that of the original boot and system volume.

4. If you now want to boot from the new mirrored disk, you have to change the Boot.ini ARC path that points the computer to the partition in which the system files are located.

For your reference:

323442 HOW TO: Use the Disk Management Snap-in to Manage Basic and Dynamic Disks in Windows Server 2003 <http://support.microsoft.com/?id=323442>

816307 Best Practices for Using Dynamic Disks on Windows Server 2003-Based <http://support.microsoft.com/?id=816307>

323432 HOW TO: Mirror the System and Boot Partition (RAID1) in Windows Server <http://support.microsoft.com/?id=323432>

Hope these steps will give you some help.

Thanks and have a nice day!

Best regards,

Terence Liu(MSFT)

Microsoft CSS Online Newsgroup Support

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

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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>

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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.

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| From: seryozha <seryozha.sundst...@xxxxxxxx>  
| Newsgroups: microsoft.public.windows.server.sbs  
| Subject: RAID Problem after restore  
| Date: Mon, 27 Aug 2007 18:27:27 -0000  
| Organization: <http://groups.google.com>  
| Lines: 25  
| Message-ID: <1188239247.334571.17...@xxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxx>  
| NNTP-Posting-Host: 76.193.202.170  
| Mime-Version: 1.0  
| Content-Type: text/plain; charset="iso-8859-1"  
| X-Trace: posting.google.com 1188239247 18332 127.0.0.1 (27 Aug 2007 18:27:27 GMT)  
| X-Complaints-To: groups-ab...@xxxxxxxx  
| NNTP-Posting-Date: Mon, 27 Aug 2007 18:27:27 +0000 (UTC)  
| User-Agent: G2/1.0  
| X-HTTP-UserAgent: Mozilla/4.0 (compatible; MSIE 7.0; Windows NT 5.1; .NET CLR 1.0.3705; .NET CLR 2.0.50727; .NET CLR 3.0.04506.30; .NET CLR 1.1.4322),gzip(gfe),gzip(gfe)  
| X-HTTP-Via: 1.1 SERVER  
| Complaints-To: groups-ab...@xxxxxxxx  
| Injection-Info: o80g2000hse.googlegroups.com; posting-host=76.193.202.170; posting-account=ps2QrAMAAA6\_jCuRt2JEIpn5Otf\_w0  
| Path:  
TK2MSFTNGHUB02.phx.gbl!TK2MSFTNGP01.phx.gbl!TK2MSFTFEEDS02.phx.gbl!news-out.cwix.com!newsfeed.cwix.com!newscon02.news.prodigy.net!prodigy.net!news.glorb.com!postnews.google.com!o80g2000hse.googlegroups.com!not-for-mail  
| Xref: TK2MSFTNGHUB02.phx.gbl microsoft.public.windows.server.sbs:59036  
| X-Tomcat-NG: microsoft.public.windows.server.sbs  
|  
| Hello all gurus of the SBS, i have a problem. Our server took a bit of

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| a sneeze over the weekend (the storms here in chicago wrecked havoc  
| with the power...server was shutdown aprox. 20 times over the weekend--  
| with battery backup) I had corruption in the active directory ,  
| following the KB 258062 (Directory service cannot start). I did a  
| system state restore from a good backup. Everything went smoothly and  
| everything is working, but of course with the exception of one thing.  
| My RAID. I now show all the volumes in diskmanagement. Which means my  
| RAID array somehow was lost. So i have possible solutions and  
| hopefully you can help me with them. The raid is an adaptec something  
| or other..its onboard the mobo. It has its own Interface, prior to  
| windows loading. It is a simple mirror, but i have 2 arrays.  
|  
| Is it possible to restore the raid array and keep the existing data  
| without windows going haywire?  
|  
| If the above is not viable, is it possible to format the "duplicate"  
| or "mirrored" drives and then create mirrors in windows disk  
| management?  
|  
| All the important drive letters did not change, so im not in a frantic  
| rush to fix it but i know it will cause headaches later.  
|  
| Thanks, seryozha  
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Thanks a ton Terence. That was a wealth of information. Thanks again