

Re: RAID 0

Source:

<http://www.tech-archive.net/Archive/Windows/microsoft.public.windows.server.sbs/2006-06/msg04814.html>

- *From:* "SuperGumby [SBS MVP]" <not@xxxxxxxxxxx>
 - *Date:* Sat, 1 Jul 2006 00:45:41 +1000
-

RAID0 is also known as NOTRAID, it is neither Redundant nor Independent. As Leythos indicates, lose one drive you lose the lot.

You seem to suggest that this makes backup less necessary, in fact it makes backup MORE necessary. At least the backup will contain all your data (coz if you lose one of those drives the system won't).

Create a full backup.

Create an Automated System Recovery (ASR) backup.

Shutdown and destroy the RAID0 array. (else it will eventually destroy itself).

Create a 3 drive RAID5 array, using the 4th drive as a hotspare.

DO an ASR restore.

Restore your data from your FULL backup.

You might actually have a problem with the ASR restore. It may reject the idea because the RAID5 array will have less total capacity than the current NOTRAID. You might have to speak to MS about adjusting the ASR sif file.

Deal with this problem IMMEDIATELY, it will involve 'down' time, but it will involve a lot less downtime now doing it as a planned procedure than it would rebuilding the system (ie. NOT recovering, that would be near impossible) should you have a drive failure and no backup.

If this message seems to suggest some degree of PANIC, I have not properly relayed my concern. You should be sweating blood. By using a four drive NOTRAID (RAID0) you have effectively changed the Mean Time Between Failure and TOTAL LOSS of the system by something between 1 quarter and 1 24th (4 factorial) the standard MTBF of the drives. The system is waiting to fail.

"JohnnyD" <jdiggle@xxxxxxxxxxx> wrote in message
news:%23XY0HwEnGHA.3388@xxxxxxxxxxxxxxxxxxxxxxxxxxxx

Thank you for your reply

What would be the best way of resetting the array?

Would it not be possible to just add another hard drive away from the RAID Array and SBS backing up to it? (not entirely sure if that is possible)

Can one just change the Raid Array/Controller through 'Array Configuration

Re: RAID 0

Utility'?

And what about the Data already on (operating sys etc.) would like to avoid reinstalling?

Sorry a little bit rusty on this!

Thank you again for your help.

"Leythos" <void@xxxxxxxxxxxx> wrote in message
news:Qd9pg.6301\$Eh1.4758@xxxxxxxxxxxxxxxxxxxxxxxxxxxxxx

In article <#nxACrDnGHA.724@xxxxxxxxxxxxxxxxxxxxxxxxxx>, jdiggle@xxxxxxxxxx says...

Hi

Just received new SBS 2003 with RAID 0 Array over four disks. I think

that

this was a supplier error as was hoping for two sets of two drives each striped, with the operating system on one pair, as well as file, and

backup

& other files to be put on the other pair of disks. (SBS preinstalled) Having switched it on and gone through the SBS Setup,

I

have discovered in the Disk Management console I have only one Logical

Hard

Disk (0) – with a 12Gb C drive and 285+GB D–drive... I can only assume that it is striping over all four disks – am I correct

in

thinking that if one of the disks goes down then little data will be redeemable? If so then surely there no point in doing a system backup,

Re: RAID 0

since

if there is a single hard drive corruption then It will all go down.

Can one add a normal basic disk for systems backup purposes? (there will

be

offsite backup for data)

Than you in advance for any advice

RAID-0 – stripe without PARITY across all disks – any disk fault and ALL data is lost.

If you are going to do this, make life simple, reset the array with 4 x Disk as RAID-5, so that you can have some redundancy, and then make it one BIG partition. Yea, it's not a best practice, but it will save you a lot of time moving things/profiles to the second partition and it will keep you from running out of space on the small C partition if you set it to 12GB.

—

spam999free@xxxxxxxxxx
remove 999 in order to email me