

Re: SBS 2003 Program Files Partition

Source:

<http://www.tech-archive.net/Archive/Windows/microsoft.public.windows.server.sbs/2005-02/0422.html>

From: Allen M (allenmiyake_at_majaro.com)

Date: 01/31/05

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Well if you only have one RAID Controller then you can only use one RAID configuration. Unless it is dual channel. You won't be able to use RAID 0 and RAID 5 on one controller.

"Markus Fuchs" <m.fuchs@nospam.fplusp.com> wrote in message news:OdYuAb9BFHA.2540@TK2MSFTNGP09.phx.gbl...

> Thank you for your input, both of you.
> First, let me tell you something about the server. We ordered a new FSC
> Primergy server with a Pentium IV 3.0 GHz and a hardware RAID controller
> (RAID 0, 1, 10). There are two 80 GB SATA hdds in the box, so we'll be
> using
> RAID 1 for mirroring the disks.
> When I was talking about different partitions I had in mind that you would
> have less trouble with disk fragmentation (since the most write accesses
> will be on the "file server partition") and making backups would be
> easier.
> Well, I don't know exactly, that's why I am asking... And I don't want to
> struggle with my hard disk layout later, since adjustments on partitions
> when the server is running are a pain, I guess.
>
> Markus
>
> "MCSEGURU" wrote:
>> I think I would advise against this. I don't know that you can
> successfully
>> get all Program Files to install to D:\ without editing the
>> %ProgramFiles%
>> environment variable before the integrated SBS setup begins (and I don't
>> know how negatively this will effect other operations on the server)
>>
>> If you are creating these volumes (C:, D:, E:, etc...) by partitioning
>> physical disks, then I don't think you are really gaining anything. Disk
>> utilization and Disk I/O is the main reason I can think of to separate
> files
>> onto different disks. Since partitioning a disk doesn't really effect
> it's
>> performance characteristics with respect to I/O you are merely drawing

> lines
>> in your sandbox, that in the future you may want to move.
>>
>> If money wasn't an object, I would recommend creating a Mirror Set for
>> the
>> OS and Programs and a separate mirror set or RAID set for Data Files
>> (user
>> shares etc...) on one controller and partitioning these disks with one
>> partition using the entire disk.
>>
>> In SBS, exchange doesn't usually grow large enough to warrant separate
> space
>> for itself, and additionally doesn't consume enough I/O to negatively
> effect
>> much, even on a slower processor server with minimal memory. However on
>> a
>> large enterprise Exchange Server I would install another Mirror Set for
> your
>> Exchange Database and another Mirror Set or RAID Set for your Exchange
>> database logs on a completely separate controller with only one partition
>> for each disk.
>>
>> So with all that said, OS on one disk, and Data (including exchange) on
>> another with only single partitions on each is really all you need.
>>
>> There are some articles on how to get the data files that by default are
>> written to %ProgramFiles% and move them to your Data disk.
>>
>>
> <http://www.microsoft.com/technet/prodtechnol/sbs/2003/maintain/movedata.mspx>
>>
>> - jeff
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>>
>> "Markus Fuchs" <m.fuchs@nospam.fplusp.com> wrote in message
>> news:eP16Ni6BFHA.2624@TK2MSFTNGP11.phx.gbl...
>> > Hey,
>> >
>> > I'll have to set up a Windows Small Business Server 2003 Standard Ed.
> soon
>> > and wondered how to place the "Program Files" folder on another
> partition
>> > than the system. Will the SBS Setup ask me where to place it or do I
> have
>> > to
>> > make an unattended installation file/disk like on Windows 2000/XP?
>> > What other parts or folders do you separate by using different
> partitions?

>> > *Can you give me some advice?*
>> >
>> > *I thought of sth. like this:*
>> > *C: System (Windows SBS 2003)*
>> > *D: Program Files*
>> > *E: Data ("File Server")*
>> > *F: Shadow Copies (Shadow Copies from E: files)*
>> > *G: Repositories (Subversion Repositories)*
>> >
>> > *This will be my first experience with a MS server product. I already*
> *read*
>> > *most of Charlie Russell's Administrator's Companion and I must admit*
> *that*
>> > *I'm overwhelmed by all the features SBS 2003 provides and therefore I*
>> > *appreciate any help.*
>> >
>> > *Markus*
>> >
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