

Re: RAID-1 won't rebuild under Win2K3 SBS SP1

Source:

<http://www.tech-archive.net/Archive/Windows/microsoft.public.windows.server.sbs/2006-02/msg03237.html>

- *From:* "Dirk-Thomas Brown" <youhadtoask@xxxxxxxxxxx>
 - *Date:* Fri, 17 Feb 2006 07:03:46 -0800
-

Ok but you still didn't answer the question... have you installed the GUI software application for the RAID? If not you should download and do so. I have had similar issues and when the software is running properly within Windows it syncs and rebuilds the RAID properly. What mother board or computer system is this?

Dirk-Thomas

"Tom" <Tom@xxxxxxxxxxxxxxxxxxxxxxxxxxxx> wrote in message <news:527732C6-08A5-4D03-9993-E80F222CF21E@xxxxxxxxxxxxxxxxxxx>

Adaptec says to contact the mfr because it's an OEM issue. Hence, they can't help.

"Dirk-Thomas Brown" wrote:

You mention its an Adaptec RAID? If so did you install the Windows GUI software (Array Configuration and or Storage Management Software I think its called) used for this purpose and downloadable from Adaptec. It will rebuilt automatically when a drive is replaced or hot-swapped. It also warns of failure, creates logs and can be made to email as I recall.

Dirk-Thomas

"Tom" <Tom@xxxxxxxxxxxxxxxxxxxxxxxxxxxx> wrote in message <news:FEC8CC76-BAA5-4C8E-AE07-B9DD17EDAE40@xxxxxxxxxxxxxxxxxxx>

I think I did a chkdsk under Safe Mode but it's been a couple of weeks.
If you're not referring to the chkdsk /f what are you referring to relative to your comment "...do a full disk surface scan/repair?" Is this a

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destructive
or non-destructive repair? Are there MS or non-MS utilities
to
validate
the
drive in a non-destructive manner without being too
expensive? (<\$50)

I'm like you I had thought that the rebuild of the RAID1
configuration
was
BIOS related and not OS.

Also, at this time, I don't intend on reformatting the 'good'
drive.

I'm
pretty ticked off on the lack of assistance from the mfr since
I
purchased
the RAID-1 mirroring configuration for the rebuilding
capabilities.

But,
maybe in the end, this will be 'my' problem and something I
did, but as
of
now, it doesn't appear to be 'my' problem. I'm just receiving
the
'gift'
of
the problem! :-)
TIA for your help!

"CO-DBA-SC-EL" wrote:

I fortunately never had to do this but from
my readings on the topic
to
be
ready if it ever comes up, it seems that in
your RAID1 configuration
the
hardware rebuilding is controlled by the
BIOS, but will still depend
on
the
integrity of the "good" drive. You don't say
whether you did an
integrity
check. All it takes is one unmarked bad

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sector on the "good" drive to prevent mirroring. If you can run with one disk, did you try to do a full disk surface scan/repair? The full scan takes a very long time, but this being NTFS it looks like any repair must be done by Windows itself, which is why you need to be able to run the drive. If you don't care and you will reformat anyway, drive manufacturers usually have a utility that you can download to do the full surface scan and bad sector blocking, starting from a diskette or CD.

C_O

"Tom"

<Tom@xxxxxxxxxxxxxxxxxxxxxxxxxxxx>

wrote in message

news:7EE0967D-9EA1-4D69-832C-D34BA7DA76AC@xxxxxxxxxxxxxxxxxxxx

The RAID is a hardware controller on the motherboard and I agree that the OS should have nothing to do with the rebuild. I reinstalled Win2K3 SBS on drive C. Essentially all of C was backed up and I restored everything that I really needed. I didn't want to go back to a full image backup because I didn't know what issues I

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would put into the new drive
c. Drive D
is
the
DVD/CD and drive E is
essentially my data. Drives
C and E are on
the
same
physical Maxtor 250GB
drive. BOTH RAID drives
are identical – same
mfr,
model
and capacity and speed.
Still no rebuilding of the
RAID. I'm not
having
problems with data
recovery. ONLY the
rebuilding of the RAID
structure.
Essential, one RAID drive is
fine and with data and the
other seems
fine
but
the RAID rebuild won't
work. It's the rebuilding of
the drive that
I
need
to
address.
Thanks for your input!!

"ALeghart" wrote:

I'm not sure
exactly of
the issue. Is
this a
hardware
RAID
controller?
If so, the
operating
system
should have
nothing to

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do with the
rebuild.
It's up to the
card.

Also, are
you running
two
physical
volumes?
You
mentioned
re-installing
SBS2003
from
scratch If
you wiped
out the
previous
installation
of SBS and
were using
the RAID-1
volume for
data, the
data
may not be
recoverable
due to
NTFS
and/or
encryption
credentials
that
were lost
with the old
server
installation.

Data
corruption
would be
promptly
mirrored in
RAID 1.
Furthermore,
a
corrupt file
would be
nicely saved
(and parity

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distributed)
on a
RAID
5
volume. I
don't know
of any
RAID
controller
that would
check all
of
my
EOF
markers and
Microsoft
Word
formatting
data.
Corrupted
files
should not
cause an
entire
volume to
be
unavailable.

As for the
new 250GB
not wanting
to replace
the old...can
the drive
manufacturer
verify the
actual size?
If the
replacement
drive is
smaller, the
RAID
volume
won't
rebuild. For
instance if
you have a
251&249, it
won't work.
If you have
a 249&251,

the 251 will
be
treated
like a 249,
and you
lose the
leftover
space. If the
drives are
suitable in
size, your
"good"
drive may
have
damage
beyond
file-level
corruption.

If your
RAID
volume is
data-only,
the OEM's
suggestion
is valid.
Get
the data off
of the
questionable
drive.

"Talk to
legal" is
telling you
that they
have no
obligation
to
protect
your data.
They are
obliged to
provide you
with
working
hardware
if
your current
hardware
fails. It is

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up to you to
test the
configuration
for your
purposes
and
maintain
proper
backups.

If you are
still having
trouble with
data
recovery,
labs like
OnTrack
are worth
every
penny. I've
spent
thousands
of dollars
on a few
jobs
to get
important
data that
would have
cost untold
hundreds of
hours
to
replace.
Evaluation
should run
you around
\$100-250
depending
on
the
media and
drive
configuration.
We had one
disassembled
in a clean
room
and raw
data
streamed

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off it it.
They
re-assembled
the drive so
we
could return
it for a
warranty
replacement.

Hope this
helps.

--
Alan