

Re: Bad RAID Configuration Need Rebuild 1st DC

Source:

<http://www.tech-archive.net/Archive/Windows/microsoft.public.windows.server.setup/2005-03/0303.html>

From: Dan Foxley (*dfoxley_at_nospampacificdatavision.com*)

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Sorry for not being more clear. The DC is still up but must be rebuilt. The RAID1 mirror (hardware via Adaptec Host Based SATA RAID controller) has failed but the OS is still up, I'm just not able to rebuild the mirror as I'm told that there is a bad strip any attempts to rebuild fail even though there is no specific error. I was told if I image the OS then restore (Ghost or similar) the bad strip would still exist and further attempts to rebuild the mirror will fail.

So I'm looking for the best solution to backup and restore this DC! Should I backup and do a restore after an OS re-install? Should I demote the DC then re-install the OS and re-join the domain?

Thanks,
Dan

""Rebecca Chen [MSFT]"" <v-rebc@online.microsoft.com> wrote in message news:SePsVltKFHA.1376@TK2MSFTNGXA02.phx.gbl...

- > *Hi Dan,*
- >
- > *I understand you one stripe is broken in the OS RAID 1 on one of your DCs.*
- > *I would like to confirm that do you mean you made RAID 1 for the whole*
- > *system on first DC and now it fails to startup? If this is not the case,*
- > *please provide me the detailed information about your scenario to allow me*
- > *get a whole picture of it.*
- >
- > *If this is the case, according to the nature of the RAID 1, stripe sets*
- > *offer no data redundancy, unlike striping with parity. All data is lost in*
- > *the set if one drive fails in a stripe set. Therefore, the data on the bad*
- > *stripe cannot be recovered. Please know our Partner support newsgroups are*
- > *focused on break-fix scenarios, data lost recovery is not provided. You*
- > *may*
- > *consider contacting some third-party company for recovering data from the*
- > *bad stripe which may restore all data.*
- >
- > *On the OS side, I would like to provide some information about the AD*
- > *information on a domain controller. Since you have AD/DNS/DHCP/Veritas*
- > *BackupExec 10/File and Print Sharing running on this failed server,*

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- > *technically speaking, if you have replicated DNS and DHCP to other two*
- > *machines, you use the following steps to get the AD/DNS/DHCP information*
- > *back:*
- >
- > *1. Refer to the following article to seize the FSMO role on the other DCs*
- > *since the first DC fails down:*
- >
- > *Using Ntdsutil.exe to transfer or seize FSMO roles to a domain controller*
- > <http://support.microsoft.com/kb/255504>
- >
- > *2. Install win2k3 on a good hard disk (let us call it Srv1), promote it to*
- > *be an additional DC in the network. during this period, please install*
- > *AD-integrated DNS on the server, this process will replicate all AD-DNS*
- > *information from other DC to this server.*
- >
- > *3. Refer to the following article to backup and restore the DHCP database*
- > *to the Srv1:*
- >
- > *Backing up the DHCP database*
- > http://www.microsoft.com/resources/documentation/WindowsServ/2003/standard/p/roddocs/en-us/Default.asp?url=/resources/documentation/windowsserv/2003/standard/proddocs/en-us/sag_DHCP_und_DatabaseBackup.asp
- >
- > *Restoring server data*
- > http://www.microsoft.com/resources/documentation/WindowsServ/2003/standard/p/roddocs/en-us/Default.asp?url=/resources/documentation/WindowsServ/2003/standard/proddocs/en-us/sag_dhcp_tro_RestoringData.asp
- >
- > *HTH!*
- >
- > *If you have any questions or update, please feel free to post back.*
- >
- > *Best regards,*
- >
- > *Rebecca Chen*
- >
- > *MCSE2000 MCDBA CCNA*
- >
- >
- > *Microsoft Online Partner Support*
- > *Get Secure! – www.microsoft.com/security*
- >
- > =====
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- > *that others may learn and benefit from your issue.*
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