

RE: Restoration of Domain Controller on Different Hardware System

Source:

<http://www.tech-archive.net/Archive/Windows/microsoft.public.windows.server.migration/2006-12/msg00138.html>

- *From:* Marc <Marc@xxxxxxxxxxxxxxxxxxxxxxxxxxxxxx>
 - *Date:* Wed, 20 Dec 2006 07:04:00 -0800
-

Hi,

I've been trying to restore a domain controller backup (system state and system disk) to a different machine with a different hardware make-up for use on a test network environment (it will be the only domain controller on the test network and it will not have access to any of the real domain controllers). So far, I've followed the instructions in the following documents:

– <http://support.microsoft.com/?id=263532> : How to perform a disaster recovery restoration of Active Directory on a computer with a different hardware configuration
(I used a slipstreamed SP4 CD)

– <http://support.microsoft.com/kb/265706> : DCDiag and NetDiag in Windows 2000 Facilitate Domain Join and DC Creation
(I Just used DCDiag.exe for testing to see what else needed to be fixed)

– <http://support.microsoft.com/kb/255504> : Using Ntdsutil.exe to transfer or seize FSMO roles to domain controller
(I seized all the roles)

– <http://support.microsoft.com/kb/216498> : How to remove data in Active Directory after an unsuccessful domain controller demotion
(I cleaned up all the other domain controllers off this one)

Additionally, this domain controller that I'm trying to restore was not a global catalog server, so after removing all the other domain controllers from this one (via <http://support.microsoft.com/kb/216498>), I made this one a global catalog server via Active Directory Sites and Services.

At this point, things look pretty good, and I think most things are working now, but the problem is that client machines on the test network (which are ghost image replicas of existing machines in our real network) still don't seem to be able to communicate with the domain controller (i.e. I can't log in to them with different domain accounts, etc.). Also, the netlogon folder

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doesn't seem to be shared out, and the C:\winnt\sysvol directory and sub-directories on the test domain controller don't contain nearly as many items as the C:\winnt\sysvol directory and sub-directories on the real domain controller.

I tried to follow the directions here:

– <http://support.microsoft.com/?id=296882> – How to promote a domain controller to a global catalog server

– <http://support.microsoft.com/default.aspx?scid=kb:en-us:295419> – XADM: How to move the global catalog role to another domain controller

– <http://support.microsoft.com/?id=316790> – The Sysvol and Netlogon shares are missing after you restore a domain controller from backup

– <http://support.microsoft.com/?id=315457> – How to rebuild the SYSVOL tree and its content in a domain

But so far nothing seems to be working (probably because some of these require at least one other domain controller to be active). Does anyone have any advice on how I can fix the problems I'm experiencing and finally get this domain controller up and running on my test network?

Any help is GREATLY appreciated! Thanks.

Marc

P.S. at this point, this machine now passes all dcdiag.exe tests.

"Vincent Xu [MSFT]" wrote:

Hi,

I do understand your concerns and I'm sorry for misunderstand your situation.

However, please understand Microsoft does not support restoring a system state backup from one computer to a second computer of a different make, model, or hardware configuration. Microsoft will only provide commercially reasonable efforts to support this process. Even if the source and destination computers appear to be identical makes and models, there may be driver, hardware, or firmware differences between the source and destination computers.

I know it is a public forum and I hope others can provide their experience on this specific issue.

I'll appreciate your understanding.

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Best regards,

Vincent Xu
Microsoft Online Partner Support

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Thread-Topic: Restoration of Domain Controller on Different Hardware

System

thread-index: AccjcaUya5K6xU3DQaKsoxG+NxuY+Q==
X-WBNR-Posting-Host: 12.109.191.2
From: =?Utf-8?B?TWFyYw==?=
<Marc@xxxxxxxxxxxxxxxxxxxxxxxxxxxx>
References:
<5E8C44A1-E76E-4FEE-8116-CA5AAD4E2D5E@xxxxxxxxxxxx>

<WK4IrFxiHHA.516@xxxxxxxxxxxxxxxxxxxx>

Subject: RE: Restoration of Domain Controller on Different Hardware System
Date: Tue, 19 Dec 2006 05:29:01 -0800
Lines: 136
Message-ID:
<37375F61-152C-42DD-A03F-2C6689494F3D@xxxxxxxxxxxx>
MIME-Version: 1.0
Content-Type: text/plain;
charset="Utf-8"
Content-Transfer-Encoding: 7bit
X-Newsreader: Microsoft CDO for Windows 2000
Content-Class: urn:content-classes:message
Importance: normal
Priority: normal
X-MimeOLE: Produced By Microsoft MimeOLE
V6.00.3790.2757

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Newsgroups: microsoft.public.windows.server.migration
Path: TK2MSFTNGHUB02.phx.gbl
Xref: TK2MSFTNGHUB02.phx.gbl
microsoft.public.windows.server.migration:150
NNTP-Posting-Host: tk2msftsbfm01.phx.gbl 10.40.244.148
X-Tomcat-NG: microsoft.public.windows.server.migration

Hi Vincent,

I'm confused about your reply since I'm not experiencing a blue screen

error

any longer (not since I did a system restore using both the system state

and

system disk), but rather just a freeze at the Windows 2000 splash screen.

Any help regarding this is greatly appreciated. Thanks.

Marc

"Vincent Xu [MSFT]" wrote:

Hi Marc,

Following is my opinions:

1. We don't recommend restore Domain Controller on Different Hardware

System

2. To locate the exact problem of the stop error, we need to analyze

the

crash dump file. Unfortunately, we cannot help you analyze the dump

file in

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newsgroup. To trouble shoot this problem efficiently, I suggest that

you

speak directly with a Microsoft Support Professional so that the crash

dump

can be analyzed. Here are some articles that will help prepare you for

this

call:

Blue Screen Preparation Before Contacting Microsoft

ID: 129845.KB.EN-US

<http://support.microsoft.com/?id=129845>

Gathering Blue Screen Information After Memory Dump in Windows 2000 or Windows NT

ID: 192463.KB.EN-US

<http://support.microsoft.com/?id=192463>

For a complete list of Microsoft Customer Service and Support (CSS)

phone

numbers and information about support costs, please go to the following address on the World Wide Web:

<<http://support.microsoft.com/directory/overview.asp>>

3. Following newsgroup appears to be more appropriate because migration newsgroup mainly focus on the process of migration between domain.

microsoft.public.windows.server.active_directory

Thanks for your understanding.

Best regards,

RE: Restoration of Domain Controller on Different Hardware System

Vincent Xu
Microsoft Online Partner Support

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Thread-Topic:
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thread-index:
Acci3AapYrakln+DQ8qpfyIlch0kIw==
X-WBNR-Posting-Host:
12.109.191.2
From:
=?Utf-8?B?TWfYw==?=
<Marc@xxxxxxxxxxxxxxxxxxxxxxxxxxxx>
Subject:
Restoration
of Domain
Controller
on Different
Hardware
System
Date: Mon,
18 Dec
2006

RE: Restoration of Domain Controller on Different Hardware System

11:38:00
-0800
Lines: 29
Message-ID:
<5E8C44A1-E76E-4FEE-8116-CA5AAD4E2D5E@xxxxxxxxxxxxxx>
MIME-Version:
1.0
Content-Type:
text/plain;
charset="Utf-8"
Content-Transfer-Encoding:
7bit
X-Newsreader:
Microsoft
CDO for
Windows
2000
Content-Class:
urn:content-classes:message
Importance:
normal
Priority:
normal
X-MimeOLE:
Produced
By
Microsoft
MimeOLE
V6.00.3790.2757
Newsgroups:
microsoft.public.windows.server.migration
Path:
TK2MSFTNGHUB02.phx.gbl
Xref:
TK2MSFTNGHUB02.phx.gbl

microsoft.public.windows.server.migration:141

NNTP-Posting-Host:
tk2msftsbm01.phx.gbl
10.40.244.148
X-Tomcat-NG:
microsoft.public.windows.server.migration

Hi,

I am
currently
trying to set
up a test
network

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environment
at the

company

I

work for in
order to test
a variety of
things. We
have a
Windows

domain

set

up in our
regular
network
environment
with two
Windows
2000
Domain
Controllers
(at our
primary
location)
and two
Windows
2003
Domain

Controllers

(at our other
location). I
have set up
6 computers
off our
network,

and

need

to make one
of them a
domain

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controller.

So far, I
have
managed to
restore the
system state
and system
disk of

one

of

the
Windows
2000
domain
controllers
via
Directory
Services
Restore

Mode

to

this
designated
machine
(HP
Compaq
dx2000
MT) in the
test

environment,

and

can boot it
up in safe
mode.
However,
try as I
might, I
cannot get

the

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machine to
boot into
regular
mode – it
constantly
freezes at
the

splash

screen. The
source
machine
(i.e. the
current
domain
controller in

our

real

network
environment)
is an HP
ProLiant
DL380 G3
Server.

I know that
documentation
suggests at
this juncture
to do a
repair

install,

but I've
tried that
and it just
makes
things
worse – I
can get into

regular

Windows
2000 server
at that

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point, but
I've gone
from SP4 to
no

Service

Pack,

and
everything
seems
screwed up
after the
repair
install,
including

Active

Directory
itself. I
think it
would be
easier to
figure out
why the

machine

can't boot
into regular
mode and
fix it than to
do a repair
install

and

then

go through
fixing
everything
that gets
screwed up
by the
repair

install.

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Any help
regarding
this issue,
or any
suggestions
are greatly

appreciated.

Thanks!

Marc