

# Converting Domain Controllers to VM -...

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Stephen 5 posts since

Dec 9, 2007

Hello All

I have just recently converted our exchange server to VM using VMware Converter 3.

In doing so I had noticed in my event logs under Directory Services that my exchange server (DC) was no longer able to replicate Active Directory with corresponding DC's.

I ran DCDIAG and it had informed me that my replication services for INBOUND/OUTBOUND were disabled.

As a result i ran the following two commands to correct my problem:

```
repadmin /options -DISABLE_OUTBOUND_REPL
```

```
repadmin /options -DISABLE_INBOUND_REPL
```

I have ran several tests and all appears to be working fine.

has anyone else had this issue? If so do you know what causes this?

Regards

Stephen



[Ryan Marsee](#) 1 posts since

May 12, 2008 1. **Re: Converting Domain Controllers to VM - Issue Found!** May 12, 2008 5:49 AM

We ran into the same issue with a few DC's we virtualized. We eventually had to rebuild them clean in the VM environment. Also another tidbit if you are using DRS set the DC's and Exchange servers to Manual, we had issues with replication once they started getting moved around.



[Michael Tsang](#) 2 posts since

May 21, 2008 2. **Re: Converting Domain Controllers to VM - Issue Found!** May 21, 2008 9:36 PM

This case cannot be fixed because every DC has its own id associate with the server hardware; like you can't clone the DC from one machine to another one. What MS and VMWare recommend to start a clean install, promote it to DC and start you wrok.

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[Stephen](#) 5 posts since

Dec 9, 2007 3. **Re: Converting Domain Controllers to VM - Issue Found!** May 22, 2008 12:40 AM

in response to: [Michael Tsang](#)

Thanks for you reply mate.

I understand what you are saying with the ID's created between Software and Hardware, for i have also heard of issues with replacing motherboards and network cards in domain controllers to find that AD no longer functions correctly.

However, my recently converted Exchange Domain Controller is working perfectly.

I did have to enable replication as stated above, but also ensure my DNS settings were correct and restart my NET LOGON service before DCDIAG gave me a clean bill of health.

Im to migrate yet another DC in the comming weeks. So I will keep you posted how it all goes.



[Todd Hazen](#) 18 posts since

Sep 10, 2007 4. **Re: Converting Domain Controllers to VM - Issue Found!** May 23, 2008 8:07 AM

in response to: [Stephen](#)

Converting Domain Controllers to VM -...

We had a similar issue. After doing a physical to virtual migration, AD replication was working fine, however, file replication was not. It appears that the issue is with hardware / software signatures. I was able to resolve with the following microsoft article: \_

<http://support.microsoft.com/kb/925633/en-us>

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[Stefan Rush](#) 6 posts since

Sep 17, 2008 5. **Re: Converting Domain Controllers to VM - Issue Found!** Sep 17, 2008 3:44 PM

↑ in response to: [Todd Hazen](#)

I feel calling this a problem is the wrong term. One should never P2V a DC always dcpromo



[Dan Milano](#) 3 posts since

Feb 2, 2008 6. **Re: Converting Domain Controllers to VM - Issue Found!** Oct 13, 2008 9:48 AM

I don't recommend a p2v on DC's