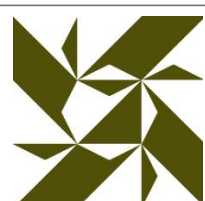Ask a question   Search related threads   Search forum questions

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Peter G Bollwerk
Joined May 2010

Peter G Bollwerk'...
1   Show activity

iscsi initiator target not reconnecting on reboot

Windows Server > File Services and Storage

Question

0

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Windows server 2008 Standard on a VM (vsphere 4.1) - We are using the iscsi initiator to target storage on another bare metal Linux server. Although the reconnect fails on a reboot, we can manually reconnect by going into the iscsi initiator, targets tab, click Log on.., Click Advanced, Check the box for CHAP logon information, then click OK. Unfortunately, we can't seem to get it to save this logon info, nor can we check the box for Automatically restore this connection with the computer starts. If we try checking that box and clicking OK, we get the error "The target has already been logged in via an iscsi session"

What are we doing wrong here?

Thursday, April 21, 2011 5:20 PM

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Peter G Bollwerk Brand.net   100 Points

Answers

8

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Finally called MS support and resolved this.

As it turns out, there is a known bug in Server 2008 (resolved in R2) where you need to set the Local Adapter and Source IP Address in the Target portals (under the Discovery tab in the iscsi initiator), using the Advanced button after clicking Add Portal. We had them left as "Default", which was causing the problem.

The tech said they will look into creating a KB for this.

Peter Bollwerk Sr. Desktop Support Analyst www.brand.net

Marked as answer by   **Peter G Bollwerk**   Tuesday, February 14, 2012 7:08 PM

Tuesday, February 14, 2012 7:08 PM

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Peter G Bollwerk Brand.net   100 Points

All replies

Hi Peter,

What is the disk type you assign for the target storage on Windows Server 2008? Is it Dynamic disk or Basic disk?

As far as I know, there is an known issue for the dynamic disk connected with iSCSI intiator. Please check to verify that the target storage is being assigned as Basis Disk.

For more reference:

Supported and tested Microsoft iSCSI Software Target 3.3 limits

http://support.microsoft.com/kb/2535811

Hope it helps.

Thanks and Regards
Scorpio_Milo
MCTS: Windows Vista | Exchange Server 2007
MCITP: Enterprise Support Technician
MCITP: Server & Enterprise Administrator
Microsoft Infrastructure Consultant
Enterprise Service: Solution Architect
Contact me
My Blog

Proposed as answer by Scorprio_Milo   Monday, April 25, 2011 10:20 PM

Marked as answer by MedicalS Microsoft contingent staff, Moderator Tuesday, April 26, 2011 7:50 AM

Unmarked as answer by MedicalS Microsoft contingent staff, Moderator
Wednesday, April 27, 2011 3:02 AM

Unproposed as answer by MedicalS Microsoft contingent staff, Moderator
Wednesday, April 27, 2011 3:04 AM

Friday, April 22, 2011 12:28 AM

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Scorprio_Milo   9,745 Points

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Just to confirm: What was the state of the (persistent/favourite) session after the reboot? was it in reconnecting state when you tried to add another session for same target and got error while configuration as you mentioned in your post?

If so you can't add another session to same target (without using mpio) and you first need to stop original session. (or you can remove the target from favorites and reboot again)

Also perhaps http://social.technet.microsoft.com/Forums/en-US/winserverClustering/thread/ff26e741-0e2d-47f9-9132-859750ef1514 could be related.

Thanks, Ashutosh

Proposed as answer by AshutoshS[MSFT] Microsoft employee Monday, April 25, 2011 3:54 PM

Unproposed as answer by Peter G Bollwerk   Wednesday, May 18, 2011 9:20 PM

Friday, April 22, 2011 6:48 AM

Reply | Quote

AshutoshS[MSFT] Microsoft (MSFT)   215 Points

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Hi Peter,

Whether you query is resolved?

Thanks, Ashutosh

Monday, April 25, 2011 3:53 PM

Reply | Quote

AshutoshS[MSFT] Microsoft (MSFT)   215 Points

0
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Sorry for marking an incorrect answer. The "known issue" only occurs on previous systems including Windows 2003/XP/2000. Dynamic disk should work fine on Windows 2008.

Here is a workaround if we cannot find out the exact cause - As we can manually connect it after reboot, you can just create a script to help reconnect it each time reboot the computer. It should contain the following purpose:

a) Connect the target disk during machine startup.
b) Restart server service and services (4 backup services) that depending on server services, so that file share on the iSCSI disk would be available.

You can try to post a thread to Script forum to see if you can get an exact startup script.

Shaon Shan |TechNet Subscriber Support in forum |If you have any feedback on our support, please contact tngfb@microsoft.com

Proposed as answer by MedicalS Microsoft contingent staff, Moderator Friday, April 29, 2011 1:33 AM
Unproposed as answer by Peter G Bollwerk Wednesday, May 18, 2011 9:20 PM

Wednesday, April 27, 2011 6:38 AM

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Moderator

MedicalS (MSFT CSG)   64,640 Points

This is still unresolved.

I do not understand your question about the state of the session after the reboot. Where do I find this?

I'm also not sure your related link is related. The link you posted seems to deal with hardware iSCSI with multiple paths and clustering.

Our situation uses software iSCSI with a single path and no clustering.

Wednesday, May 18, 2011 9:20 PM

0
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Peter G Bollwerk Brand.net   100 Points

---

in iscsicpl applet, under targets tab, the section where you see the discovered targets, also contain a field called Status telling you status of the iscsi session.

In the link I mentioned, they were certainly using iscsi software initiator. (and you problem also seems to be related to iscsi software initiator)

Thanks, Ashutosh

Thursday, May 19, 2011 2:17 AM

0
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AshutoshS[MSFT] Microsoft (MSFT)   215 Points

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In the link I mentioned, they were certainly using iscsi software initiator. (and you problem also seems to be related to iscsi software initiator)

Thanks, Ashutosh

we have this same issue
Barry Smoke
AR Division of Legislative Audit

Thursday, June 9, 2011 6:56 PM

Reply | Quote

0

smokeman1 AR Division of Legislati...   0 Points

After a reboot, the target's status is "Inactive".

I am required to click "Log on..", then Advanced, then check the box for "CHAP logon information and enter the User name and Target secret. Checking the box "Automatically restore this connection when the computer starts" does not "save" the login info or make it reconnect on a reboot.

Peter Bollwerk Sr. Desktop Support Analyst www.brand.net

Tuesday, June 14, 2011 6:39 PM

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0

Peter G Bollwerk Brand.net   100 Points

Hi Peter,

Thanks for checking the target state as per my request. Can you verify whether "favourite Targets" tab in iscsicpl starts displaying target name when you do the steps: "click "Log on..", then Advanced, then check the box for "CHAP logon information and enter the User name and Target secret. Checking the box "Automatically restore this connection. CLisk OK to complete the connection successfully "

Thanks, Ashutosh

Wednesday, June 15, 2011 9:28 AM

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0

AshutoshS[MSFT] Microsoft (MSFT)   215 Points

The Favorite Targets tab DOES list the target that I am trying to connect to, even before I go through the steps to manually reconnect after a reboot.

Peter Bollwerk Sr. Desktop Support Analyst www.brand.net

Tuesday, June 21, 2011 5:59 PM

Reply | Quote

0

Peter G Bollwerk Brand.net   100 Points

HI,

Don't forget that ISCSI will also only automatically connect to drives that are setup as basic drives in the Microsoft Disk Management tool.

As opposed to dynamic etc...

Ian ;)

Friday, July 1, 2011 2:36 PM

Reply | Quote

Zygote0   0 Points

Hi Peter,

Sorry I lost track of this issue.

Looks like we need to debug this issue. best approach would be to contact Microsoft Support to have a dedicated support engineer looking into the issue.

In mean time, It would be great if you can share complete memory dump in repro situation (i.e after reboot when the automatic reconnection don't happen), so that I can also look into that and see if I could help you just with that.

Thanks, Ashutosh

Friday, July 1, 2011 5:17 PM

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AshutoshS[MSFT] Microsoft (MSFT)   215 Points

In fact perhaps its worth to take/share a dump before reboot too, after you have completed the process to add the targets to persistent list and created the session.

Thanks, Ashutosh

Friday, July 1, 2011 5:25 PM

Reply | Quote

AshutoshS[MSFT] Microsoft (MSFT)   215 Points

It is basic in this case.

Peter Bollwerk Sr. Desktop Support Analyst www.brand.net

Thursday, July 7, 2011 4:56 PM

Reply | Quote

Peter G Bollwerk Brand.net   100 Points

Could you point me to instructions on how to do a memory dump?

Peter Bollwerk Sr. Desktop Support Analyst www.brand.net

Thursday, July 7, 2011 4:58 PM

Reply | Quote

Peter G Bollwerk Brand.net   100 Points

http://support.microsoft.com/kb/244139
http://support.microsoft.com/kb/969028

Thanks, Ashutosh

0

Thursday, July 7, 2011 9:27 PM

Reply | Quote

AshutoshS[MSFT] Microsoft (MSFT)   215 Points

Finally called MS support and resolved this.

As it turns out, there is a known bug in Server 2008 (resolved in R2) where you need to set the Local Adapter and Source IP Address in the Target portals (under the Discovery tab in the iscsi initiator), using the Advanced button after clicking Add Portal. We had them left as "Default", which was causing the problem.

The tech said they will look into creating a KB for this.

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Peter Bollwerk Sr. Desktop Support Analyst www.brand.net

Marked as answer by   Peter G Bollwerk   Tuesday, February 14, 2012 7:08 PM

Tuesday, February 14, 2012 7:08 PM

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Peter G Bollwerk Brand.net   100 Points

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The tech said they will look into creating a KB for this.

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Peter Bollwerk Sr. Desktop Support Analyst www.brand.net

Brilliant, thanks for making the effort. Apologies for responding to an old posting, just wanted to chime in to share that the bug/feature is still present in the Windows 8 iSCSI client. Your workaround fixed it.

Wednesday, May 15, 2013 9:50 PM

Reply | Quote

Jørn-Morten   65 Points

Same issue with iSCSI initiator on Server 2012. Workaround published by Peter works like a charm. Thanks.

0

Wednesday, June 5, 2013 6:56 AM

Reply | Quote

a.elfimov   2,805 Points

HI,

a look from the inside IP Favourite destinations is correct.

0

Wednesday, November 27, 2013 5:35 PM

Reply | Quote

Jean C Mendes   0 Points

This is old tread but work for me on services virtual disk VDS service i change the value from manual automatic (delayed start)

and now when is rebooted it will connect automatically

0

Sunday, October 19, 2014 9:18 AM

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antreas4   0 Points

---

aaaaaaaaaaaaaaand still not fixed, workaround is ok though just annoying

LOL

0

Tuesday, October 1, 2019 11:02 PM

Reply | Quote

Phill_Monser KSU   0 Points