

FreeNAS - Bug #26552

FreeNAS as domain controller - cannot add group policy objects

11/08/2017 06:23 AM - Patrick M. Hausen

Status: Closed	
Priority: Nice to have	
Assignee: Timur Bakeyev	
Category: OS	
Target version: N/A	
Seen in: 11.1-RC1	Needs Merging: Yes
Severity:	Needs Automation: No
Reason for Closing: Duplicate Issue	Support Suite Ticket: n/a
Reason for Blocked:	Hardware Configuration: VMware Fusion, 8 GB installation disk, 8 GB RAM, 2x 20 GB data disks
Needs QA: Yes	ChangeLog Required: No
Needs Doc: Yes	
Description	
<p>1. New installation of FreeNAS 11.0U4 followed update to 11.1RC1 - problem is identical in 11.0U4</p> <p>2. Create domain controller as in the attached screenshot.</p> <p>3. Trying to use the group policy management tool from Windows RSAT gives a cryptic error message without detail ("invalid parameter")</p> <p>4. Some more detail as available from the command line:</p>	
<pre>root@freenas:~ # net ads info LDAP server: 192.168.2.149 LDAP server name: freenas.test.lan Realm: TEST.LAN Bind Path: dc=TEST,dc=LAN LDAP port: 389 Server time: Wed, 08 Nov 2017 15:15:43 CET KDC server: 192.168.2.149 Server time offset: 0 Last machine account password change: Wed, 08 Nov 2017 15:10:09 CET</pre>	
<pre>root@freenas:~ # samba-tool gpo create Test-Object -U Administrator Password for [TEST\Administrator]: ERROR(runtime): uncaught exception - (-1073741811, 'An invalid parameter was passed to a service o r function.') File "/usr/local/lib/python2.7/site-packages/samba/netcmd/__init__.py", line 176, in _run return self.run(*args, **kwargs) File "/usr/local/lib/python2.7/site-packages/samba/netcmd/gpo.py", line 1000, in run conn.set_acl(sharepath, fs_sd, sio)</pre>	
Kind regards, Patrick	
Related issues:	
Is duplicate of FreeNAS - Bug #28932: Set correct parameters for domain contr...	Done

History

#1 - 11/08/2017 06:34 AM - Patrick M. Hausen

This might be related to this:

<http://www.spinics.net/lists/samba/msg113554.html>

<https://bugs.freenas.org/issues/4351>

#2 - 11/08/2017 07:22 AM - Bonnie Follweiler

- Assignee changed from Release Council to William Grzybowski

#3 - 11/09/2017 06:56 AM - William Grzybowski

- Assignee changed from William Grzybowski to John Hixson

#4 - 11/13/2017 02:53 PM - Dru Lavigne

- Target version set to 11.1

#5 - 11/14/2017 10:34 AM - John Hixson

- Status changed from Unscreened to Screened

- Target version changed from 11.1 to 11.1-U1

#6 - 12/14/2017 07:26 AM - Ben Gadd

- Assignee changed from John Hixson to Andrew Walker

#7 - 12/18/2017 12:10 PM - Dru Lavigne

- Status changed from Screened to 15

Patrick: is this still an issue in 11.1? If so, please attach a debug from the 11.1 system.

#8 - 12/19/2017 08:33 AM - Patrick M. Hausen

- File debug-freenas-20171219083256.tgz added

Fresh installation of 11.1 RELEASE:

```
[root@freenas ~]# samba-tool gpo create Test-Object -U Administrator
Password for [TEST\Administrator]:
ERROR(runtime): uncaught exception - (-1073741811, 'An invalid parameter was passed to a service or function.')
  File "/usr/local/lib/python2.7/site-packages/samba/netcmd/__init__.py", line 176, in _run
    return self.run(*args, **kwargs)
  File "/usr/local/lib/python2.7/site-packages/samba/netcmd/gpo.py", line 1000, in run
    conn.set_acl(sharepath, fs_sd, sio)
[root@freenas ~]# ^C
[root@freenas ~]#
```

What precisely did you change that made you expect the problem to be fixed?

Kind regards,
Patrick

#9 - 12/19/2017 10:47 AM - Dru Lavigne

- Status changed from 15 to Investigation
- Assignee changed from Andrew Walker to John Hixson
- Private changed from No to Yes

#10 - 12/27/2017 07:03 AM - Patrick M. Hausen

Hi Dru and colleagues,

what I found with some search engine abuse seems like Samba fundamentally does not work with respect to group policies if the sysvol is on ZFS. So I see two courses of action:

- fix it in Samba and upstream the changes
- work around the problem by using an UFS formatted md device for the sysvol

I'm not involved in actual FreeNAS development, so this is of course entirely up to you. But the second option does look like a pretty ugly hack to me ;)

Kind regards,
Patrick

#11 - 01/09/2018 06:16 AM - Kris Moore

- Target version changed from 11.1-U1 to 11.2-BETA1

#12 - 01/23/2018 03:35 PM - Dru Lavigne

- Status changed from Investigation to Not Started

#13 - 01/23/2018 06:15 PM - Kris Moore

- Assignee changed from John Hixson to Timur Bakeyev
- Priority changed from No priority to Nice to have
- Target version changed from 11.2-BETA1 to 11.2-U2

#14 - 01/30/2018 07:37 PM - Timur Bakeyev

- Status changed from Not Started to Blocked
- Reason for Blocked set to Need additional information

Need to verify current state of ACLs on SysVol and recent GPO patches.

#15 - 02/26/2018 05:42 AM - Patrick M. Hausen

Any ETA for this? My wife's not-for-profit organisation bought a server for their office which is sitting idly on the shelf since August 2017 due to this bug. A Windows-only environment and the plan was to use FreeNAS as the DC, server based profiles and server based home directories for all users - not going to work without group policies :(

Patrick

#16 - 02/26/2018 05:59 AM - Timur Bakeyev

Hi, Patrick!

Sorry for the delay with this matter, there are both issues with xattr handling, on which I'm working now and with GPO objects in Samba, patches for which are now discussed on Samba ML for inclusion into Samba 4.8. I can't give you definite dates right now, but I hope to finish at least xattr stuff this week and then it'll be more clear what is still missing.

#17 - 02/26/2018 06:05 AM - Patrick M. Hausen

Thanks for the update! :)

#18 - 02/28/2018 03:25 AM - Andrew Walker

Patrick M. Hausen wrote:

Thanks for the update! :)

Hi Patrick,

I just posted a patched generate_smb4_conf.py file in a separate bug ticket related to Samba DCs. <https://redmine.ixsystems.com/issues/28932>

The file resides on your system under /usr/local/libexec/nas/generate_smb4_conf.py

If you feel comfortable with it, try replacing that file on a test system, then provision a domain and try to edit group policies.

#19 - 03/22/2018 08:18 AM - Dru Lavigne

- Related to Bug #28932: Set correct parameters for domain controller role added

#20 - 04/17/2018 07:42 AM - Dru Lavigne

- File deleted (debug-freenas-20171219083256.tgz)

#21 - 04/17/2018 07:43 AM - Dru Lavigne

- Related to deleted (Bug #28932: Set correct parameters for domain controller role)

#22 - 04/17/2018 07:43 AM - Dru Lavigne

- Is duplicate of Bug #28932: Set correct parameters for domain controller role added

#23 - 04/17/2018 07:44 AM - Dru Lavigne

- Status changed from Blocked to Closed

- Target version changed from 11.2-U2 to N/A

- Private changed from Yes to No

- Reason for Closing set to Duplicate Issue

- Reason for Blocked deleted (Need additional information)

Patrick: closing this one out as the patch in the duplicate ticket should resolve this. If you get a chance to test it before release, please leave a comment in this ticket.

Files

DC.png	110 KB	11/08/2017	Patrick M. Hausen
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