

FreeNAS - Bug #36183

Fix corruption of first byte in AFP_AfpInfo stream/xattr in Samba

06/28/2018 11:09 AM - Dru Lavigne

Status: Done	
Priority: No priority	
Assignee: John Hixson	
Category: OS	
Target version: 11.2-BETA1	
Seen in: 11.1-U4	Needs Merging: No
Severity: High	Needs Automation: No
Reason for Closing:	Support Suite Ticket: ZCX-891-77675
Reason for Blocked:	Hardware Configuration:
Needs QA: No	ChangeLog Required: No
Needs Doc: No	
Description	
Initial Samba master PR: https://github.com/freenas/samba/pull/56	
Updated Samba master PR: https://github.com/freenas/samba/pull/59	
FreeNAS master PR: https://github.com/freenas/freenas/pull/1455	
Related issues:	
Copied from FreeNAS - Bug #34134: Fix corruption of first byte in AFP_AfpInfo...	Done

History

#1 - 06/28/2018 11:09 AM - Dru Lavigne

- Copied from Bug #34134: Fix corruption of first byte in AFP_AfpInfo stream/xattr in Samba added

#2 - 06/28/2018 11:09 AM - Dru Lavigne

- Target version changed from 11.1-U6 to 11.2-BETA2

#3 - 06/28/2018 11:10 AM - Dru Lavigne

- File deleted (*old_streams_xattr.pcap*)

#4 - 06/28/2018 11:10 AM - Dru Lavigne

- File deleted (*new_streams_xattr.pcap*)

#5 - 06/28/2018 11:10 AM - Dru Lavigne

- File deleted (*Finder Refresh.zip*)

#6 - 06/28/2018 11:10 AM - Dru Lavigne

- Status changed from *Unscreened* to *Ready for Testing*

- Reason for Blocked deleted (*Other: make a note in comments*)

#7 - 06/29/2018 06:24 AM - Dru Lavigne

- Target version changed from 11.2-BETA2 to 11.2-BETA1

#8 - 06/29/2018 09:05 AM - Dru Lavigne

- Status changed from *Ready for Testing* to *Done*

- Needs QA changed from Yes to No

#9 - 06/29/2018 12:05 PM - Dru Lavigne

- Status changed from Done to In Progress

#11 - 06/29/2018 12:58 PM - Dru Lavigne

- Description updated

#12 - 06/29/2018 12:58 PM - Dru Lavigne

- Status changed from In Progress to Ready for Testing

- Needs QA changed from No to Yes

#15 - 06/30/2018 03:55 PM - Timur Bakeyev

- Description updated

#17 - 07/05/2018 12:55 PM - Andrew Walker

- File *osx_xattr_write.pcap* added

I encountered problems with original `streams_xattr` and the revisions to `trans2.c` (i.e. <https://github.com/freenas/samba/pull/59>):

Steps to reproduce:

- 1) generate file with large ADS (6MB or more) on FreeNAS server as follows: `"cat [large file] | setextattr -i user DosStream.large_xattr:$DATA' [test file]"`
- 2) mount smb share from OSX 10.13 client, `"cd /Volumes/SHARE"`, and `"xattr -p large_xattr [test file] | wc -c"` to get size of xattr. Compare with size reported locally on freenas server `"getextattr -q user 'DosStream.large_xattr:$DATA' [test file] | wc -c"`
- 3) copy test file to Desktop of OSX client and verify size.
- 4) copy test file from Desktop of OSX client back to SMB share and verify size.

Step (2) on my OSX client showed length of ADS truncated to 1.0MB.

Step (3) Copy on Desktop showed length of ADS truncated to 1.0MB

Step (4) New copy on FreeNAS server showed length of ADS truncated to 4KB.

Pcap of (4) attached to ticket.

#18 - 07/05/2018 01:06 PM - Dru Lavigne

- Status changed from Ready for Testing to Failed Testing

#19 - 07/05/2018 02:48 PM - Timur Bakeyev

- Assignee changed from Timur Bakeyev to John Hixson

Passing this to John, as I have nothing to do with it.

#20 - 07/05/2018 04:23 PM - Andrew Walker

- File *windows_osx.pcap* added

- File *osx_xattr_write3.pcap* added

OSX read from Windows server also stops after first MB. Possibly OSX SMB client bug.

#21 - 07/05/2018 04:26 PM - John Hixson

Andrew & I are working on this. We have determined this to be a Mac OS issue. It may not be a big deal but we're still digging into this. I don't know if this is a release blocker yet or not, since Andrews testing methodology isn't a very good one and I'm working on some better testing tools for this. Large EA's are confirmed working on windows. I'm sure Andrew will post more as we find more ;-)

This problem occurs with or without the previous `vfs_streams_xattr` code.

#23 - 07/05/2018 06:17 PM - John Hixson

So there isn't really a problem here. Large EA's work fine. The only "problem" that happens is when a file with a large EA over what is a predefined size is copied to the local file system, it gets truncated. This isn't the general use case and this has worked this way all along. I don't even think this can be classified as a bug. I think we are good to go here and there are no more show stoppers.

#24 - 07/09/2018 08:26 AM - Dru Lavigne

- Status changed from Failed Testing to Done

#25 - 07/09/2018 08:27 AM - Dru Lavigne

- File deleted (`osx_xattr_write.pcap`)

#26 - 07/09/2018 08:27 AM - Dru Lavigne

- File deleted (`windows_osx.pcap`)

#27 - 07/09/2018 08:27 AM - Dru Lavigne

- File deleted (`osx_xattr_write3.pcap`)

#28 - 07/09/2018 08:30 AM - Dru Lavigne

- Needs QA changed from Yes to No