

FreeNAS - Bug #13336

Configure "map readonly = no" as a default global parameter for smb4.conf

01/25/2016 02:24 PM - an odos

Status:	Closed: Not To Be Fixed	
Priority:	Nice to have	
Assignee:	John Hixson	
Category:	OS	
Target version:	N/A	
Seen in:	9.3.1-STABLE-201601181840	Needs Merging: Yes
Severity:	New	Needs Automation: No
Reason for Closing:		Support Suite Ticket: n/a
Reason for Blocked:		Hardware Configuration:
Needs QA:	Yes	ChangeLog Required: No
Needs Doc:	Yes	

Description

This is a problem I've observed related to how "store dos attributes" interacts with samba and ZFS ACLs.

For various reasons, a file or folder may end up with "owner@" having no permissions. Example:

```
# file: SKMBT_C22016012513440.pdf
# owner: CORP\scanner
# group: CORP\domain users
group:CORP\administrator:rwxpDdaARWcCo-:-----:allow
group@:rwxpDda-R-cCo-:-----:allow
```

By default, most files do not have a DOSATTRIB extended attribute generated for them. When the DOSATTRIB xattr is missing, samba will use the owner@ ACE to determine whether the file is "read-only". Since owner@ does not have permissions in the above file, samba will mark it "read-only". I believe this behavior is generally undesirable. It is also easily avoided by disabling this mapping function. Note, I have not had time to thoroughly investigate this. It is conjecture based on problems observed in IRC and in the forums, but it seems consistent with samba documentation.

History

#1 - 01/25/2016 07:51 PM - John Hixson

- Status changed from Unscreened to Closed: Not To Be Fixed
- Priority changed from No priority to Nice to have
- Target version set to 261

an odos wrote:

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[...]

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Extended attributes are written when dos attributes are set. As for "When the DOSATTRIB xattr is missing, samba will use the owner@ ACE to determine whether the file is "read-only", I'd like to know where this is documented, since I've never seen this nor can find any proof of this in the code. When read-only is set, the attribute is set. As for setting "map readonly = no", we set "store dos attributes = yes", which clearly states (about the map readonly attribute):

Note that this parameter will be ignored if the store dos attributes parameter is set, as the DOS 'read-only' attribute will then be stored inside a UNIX extended attribute.

#2 - 08/26/2016 12:53 PM - Kris Moore

- Target version changed from 261 to N/A