

FreeNAS - Feature #23555

Add additional caveat to streams_depot in FreeNAS documentation (because "EXPERIMENTAL" might not be enough)

04/25/2017 06:18 AM - an odos

Status: Resolved	Estimated time: 0.00 hour
Priority: Nice to have	
Assignee: Warren Block	
Category: Documentation	
Target version: 11.0-RC	
Severity: New	Needs Merging: Yes
Reason for Closing:	Needs Automation: No
Reason for Blocked:	Support Suite Ticket: n/a
Needs QA: Yes	Hardware Configuration:
Needs Doc: Yes	

Description

Dru,

I never use streams_depot and so I didn't notice this until I was trolling around the samba mailing list: <http://marc.info/?l=samba&m=132542069802160&w=2>

vfs_streams_depot is totally unusable. While it can handle large streams and therefore resource forks, it stores them into directories named by major/minor of the device and inode of the original file. These files cannot be restored by standard unix backup tools and the linkage will also be lost if LVM f.e. changes the device node.

Comments in streams_depot.c support this idea (I started trying to read the code and realized I lack the relevant expertise to make a judgment one way or another).

```
/*
 * Excerpt from a mail from tridge:
 *
 * Volker, what I'm thinking of is this:
 * /mount-point/.streams/XX/YY/aaaa.bbbb/namedstream1
 * /mount-point/.streams/XX/YY/aaaa.bbbb/namedstream2
 *
 * where XX/YY is a 2 level hash based on the fsid/inode. "aaaa.bbbb"
 * is the fsid/inode. "namedstreamX" is a file named after the stream
 * name.
 */
```

These comments make me think that metadata stored in streams_depot will be lost if someone uses rsync to back up the data (inode changes). This seems like a pretty big caveat if it's the case and should maybe be noted in the documentation blurb for streams_depot in the FreeNAS docs. Perhaps you can get someone who knows coding reel good to make a comment one way or another.

Associated revisions

Revision 24b2eeea - 04/26/2017 04:50 AM - Warren Block

Be more emphatic about how experimental streams_depot really is.

Ticket: #23555

History

#1 - 04/25/2017 06:38 AM - Dru Lavigne

- Assignee changed from Dru Lavigne to Warren Block
- Priority changed from No priority to Nice to have
- Target version set to 11.0

#2 - 04/26/2017 04:38 AM - Warren Block

- Status changed from Unscreened to Screened

#3 - 04/26/2017 04:54 AM - Warren Block

- Status changed from Screened to Resolved

Fixed in <https://github.com/freenas/freenas-docs/commit/24b2eeea6697db01847cbf0fd2e95331bd869bf5>

#5 - 05/03/2017 10:57 PM - Vaibhav Chauhan

- Target version changed from 11.0 to 11.0-RC