

TrueNAS
Software project

Projects / TrueNAS / NAS-107270

Critical Permissions issue in ZFS on FreeBSD

Show worklogs

Description

Issue 1:

Users are always granted permissions to cd into a directory. The check for whether execute is present on directories is a de-facto no-op. This cannot be mitigated without upgrading. Even setting an explicit "deny - execute" NFSv4 ACE will be bypassed.

Issue 2:

All ACEs for the owner_group (group@) and regular groups (group:<foo>) are granted the current user. This means that POSIX mode 770 is de-facto 777, and the below ACL is also de-facto 777 because the groupmember check for builtin_administrators returns True.

```
root@TNBETA1[~]# getfacl testfile
```

- file: testfile
- owner: root
- group: wheel
group:builtin_administrators:rwxpDdaARWcCos:-----:allow

This currently affects FreeBSD port of openzfs.
12.x BETA1/BETA2/MASTER and sysutils/openzfs-kmod are impacted.

Status: Resolved

Links:

Upstream Fix: OpenZFS Commit:
<https://github.com/openzfs/zfs/commit/716b53d0a14c72bda16c0872565dd1909757e73f>
Ports Code fix: <https://reviews.freebsd.org/D26107>

Timetracker


Error

Done ✓ Complete

Pinned fields

Click on the  next to a field label to start pinning.

Details

Assignee	JT Pennington (Deactivated)
Reporter	JT Pennington (Deactivated)
Impact	Critical
Components	ZFS
Fix versions	12.0-RC1 12.0-BETA2.1
Affects versions	12.0-BETA2 12.0-BETA1
Priority	Low
Timetracker	 View time tracking deta... 0M

Created August 18, 2020 at 2:39 PM
Updated July 1, 2022 at 12:55 PM
Resolved August 18, 2020 at 2:39 PM

 Configure