

fs - Bug #18661

Test failure: test_open_inode

01/25/2017 08:43 AM - Zheng Yan

Status: Resolved	Start date: 01/25/2017
Priority: Normal	Due date:
Assignee:	% Done: 0%
Category:	Estimated time: 0.00 hour
Target version:	
Source:	Affected Versions:
Tags:	ceph-qa-suite:
Backport: kraken,jewel	Component(FS):
Regression: No	Labels (FS):
Severity: 3 - minor	Pull request ID:
Reviewed:	
Description http://qa-proxy.ceph.com/teuthology/teuthology-2017-01-15_10:10:01-fs-jewel---basic-smithi/719557/	
Related issues:	
Copied to fs - Backport #18899: kraken: Test failure: test_open_inode	Resolved
Copied to fs - Backport #18900: jewel: Test failure: test_open_inode	Resolved

History

#1 - 01/26/2017 08:32 AM - Zheng Yan

```
2017-01-17 09:28:32.263766 7f0a7f5d4700 10 client.4432 send_request client_request(unknown.0:9 create #1/open_
file 2017-01-17 09:28:32.263717) v3 to mds.0
...
2017-01-17 09:28:34.417892 7f0a7fdd5700 10 client.4432 send_request client_request(unknown.0:11 unlink #1/open
_file 2017-01-17 09:28:34.417762) v3 to mds.0
...
2017-01-17 09:28:34.462320 7f0a7fdd5700 10 client.4432 send_request client_request(unknown.0:13 create #1/open
_file 2017-01-17 09:28:34.462246) v3 to mds.0
```

```
def test_open_inode(self):
    """
    That the case of a dentry unlinked while a client holds an
    inode open is handled correctly.

    The inode should be moved into a stray dentry, while the original
    dentry and directory should be purged.

    The inode's data should be purged when the client eventually closes
    it.
    """
    mount_a_client_id = self.mount_a.get_global_id()

    # Write some bytes to a file
    size_mb = 8
    self.mount_a.write_n_mb("open_file", size_mb)
    open_file_ino = self.mount_a.path_to_ino("open_file")

    # Hold the file open
    p = self.mount_a.open_background("open_file")

    self.assertEqual(self.get_session(mount_a_client_id)['num_caps'], 2)

    # Unlink the dentry
    self.mount_a.run_shell(["rm", "-f", "open_file"])
```

seems like the background open was executed after unlink

#2 - 01/26/2017 09:14 AM - Zheng Yan

- Status changed from *New* to *Verified*

#3 - 01/26/2017 04:16 PM - John Spray

You're right, that piece of test code is racy :-/ Need to get the remote python code running inside `open_background` to signal somehow when it opens the file, and have the test code block until then.

#4 - 01/26/2017 04:57 PM - John Spray

- Status changed from *Verified* to *Need Review*

<https://github.com/ceph/ceph/pull/13137>

#5 - 01/26/2017 05:55 PM - Nathan Cutler

- Backport set to *kraken,jewel*

#6 - 02/10/2017 05:48 PM - John Spray

- Status changed from *Need Review* to *Pending Backport*

#7 - 02/13/2017 07:22 AM - Loic Dachary

- Copied to Backport #18899: *kraken: Test failure: test_open_inode added*

#8 - 02/13/2017 07:22 AM - Loic Dachary

- Copied to Backport #18900: *jewel: Test failure: test_open_inode added*

#9 - 09/05/2017 03:38 PM - Nathan Cutler

- Status changed from *Pending Backport* to *Resolved*