

Item 68

#### **git\_comments:**

1. And a "unique" tmp directory for each volume Make sure we can handle nested directories (a single tmpdir with potentially multiple unique dirs)
2. Make some directories to simulate multiple volumes

#### **git\_commits:**

1. **summary:** ACCUMULO-2532 Use VolumeManager to check for tmpDir existence.  
**message:** ACCUMULO-2532 Use VolumeManager to check for tmpDir existence.

#### **github\_issues:**

#### **github\_issues\_comments:**

#### **github\_pulls:**

#### **github\_pulls\_comments:**

#### **github\_pulls\_reviews:**

#### **jira\_issues:**

1. **summary:** FileUtil expects instance.dfs.dir in tmpDir path  
**description:** FileUtil#cleanupIndexOp(AccumuloConfiguration, Path, VolumeManager, ArrayList) checks that the temporary directory Path it was given ends with the value of instance.dfs.dir and "/tmp". instance.dfs.dir is no longer appended to each volume, so this check is likely wrong and result in tmp directories not being cleaned up properly. This also necessitates a unit test to prevent from happening again.

#### **jira\_issues\_comments:**

1. [~ecn], something else I noticed while reading through this code: {code:title=FileUtil.java:97-99} // try to reserve the tmp dir if (!fs.createNewFile(new Path(result, "\_\_reserve"))) result = null; {code} It looks like this {{\_\_reserve}} file is never used anywhere else. Do you recall what the intent of making it was?
2. the intent of the reserve file was to ensure only one thread uses the tmp dir. In hadoop 1 I think if two threads try to create the same dir at around the same time they will both report success. With a file only one would report success.
3. Ah, thanks [~kturmer]. It came across as dead code, but I'll add a comment in about that.
4. Commit 6420dd3d49c97ee5c9a5e173914ca5374a26c8e5 in accumulo's branch refs/heads/1.6.0-SNAPSHOT from [~elserj] [ <https://git-wip-us.apache.org/repos/asf?p=accumulo.git;h=6420dd3> ] ACCUMULO-2532 Relax access on cleanupIndexOp and add tests that show failure case.
5. Commit 74ffff1a189c807995c33d400aca4fed7b183d38 in accumulo's branch refs/heads/1.6.0-SNAPSHOT from [~elserj] [ <https://git-wip-us.apache.org/repos/asf?p=accumulo.git;h=74ffff1> ] ACCUMULO-2532 Use VolumeManager to check for tmpDir existence.
6. Commit 9678a2c51a33cc8c58969450e81c0acf40714930 in accumulo's branch refs/heads/1.6.0-SNAPSHOT from [~elserj] [ <https://git-wip-us.apache.org/repos/asf?p=accumulo.git;h=9678a2c> ] ACCUMULO-2532 Expand on comment as to why we create this (otherwise curious) file
7. Commit 74ffff1a189c807995c33d400aca4fed7b183d38 in accumulo's branch refs/heads/master from [~elserj] [ <https://git-wip-us.apache.org/repos/asf?p=accumulo.git;h=74ffff1> ] ACCUMULO-2532 Use VolumeManager to check for tmpDir existence.
8. Commit 9678a2c51a33cc8c58969450e81c0acf40714930 in accumulo's branch refs/heads/master from [~elserj] [ <https://git-wip-us.apache.org/repos/asf?p=accumulo.git;h=9678a2c> ] ACCUMULO-2532 Expand on comment as to why we create this (otherwise curious) file
9. Is there a particular reason you went with the following pattern: {code} File dfsDir = Files.createTempDir(); try { // stuff } finally { FileUtils.deleteQuietly(dfsDir); } {code} Instead of using {{@Before}} and {{@After}} methods?
10. [~mdrob], I think it was because I didn't always use a single temp directory. I know at least one of the tests made two temp directories (to be a slightly more honest test than create two "volume" dirs beneath a

common parent).