Item 48
git_comments:

git_commits:

1. **summary:** [BEAM-9164] Re-enable UnboundedSourceWrapper#testWatermarkEmission test
   message: [BEAM-9164] Re-enable UnboundedSourceWrapper#testWatermarkEmission test The stability issues should be resolved by d106f263e625e5d7c4f3848f16da301871f65142.

github_issues:

github_issues_comments:

github_pulls:

github_pulls_comments:

github_pulls_reviews:

jira_issues:

1. **summary:** [PreCommit_Java] [Flake] UnboundedSourceWrapperTest$ParameterizedUnboundedSourceWrapperTest
   description: Test: org.apache.beam.runners.flink.translation.wrappers.streaming.io.UnboundedSourceWrapperTest$ParameterizedUnboundedSourceWrapperTest >> testWatermarkEmission[numTasks = 1; numSplits=1] Fails with the following exception: {code:java} org.junit.runners.model.TestTimedOutException: test timed out after 30000 milliseconds{code} Affected Jenkins job: [https://builds.apache.org/job/beam_PreCommit_Java_Phrase/1665/] Gradle build scan: [https://scans.gradle.com/s/nvgeb425fe63q]

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jira_issues_comments:

1. Same thing happened on https://builds.apache.org/job/beam_PreCommit_Java_Commit/9726

2. **body:** I tried to reproduce the flakiness in my workstation by running the {{UnboundedSourceWrapperTest}} 100 times, but could not reproduce the failure. {noformat} @Parameterized.Parameters(name = "numTasks = {0}; numSplits={1}") public static Collection<Object[]> data() { /* * Parameters for initializing the tests: * {numTasks, numSplits} * The test currently assumes powers of two for some assertions. */ ImmutableList.Builder<Object[]> list = ImmutableList.builder(); for (int i=0; i< 100; ++i) { list.addAll(Arrays.asList(new Object[][] { {1, 1}, {1, 2}, {1, 4}, {2, 1}, {2, 2}, {2, 4}, {4, 1}, {4, 2}, {4, 4}, })); } return list.build(); } {noformat} Memo: what if the test is interfered by other tests? How can we verify a fix is correct solution?
   label: test
3. Saw a timeout on org.apache.beam.runners.flink.translation.wrappers.streaming.io.UnboundedSourceWrapperTest$ParameterizedUnboundedSourceWrapperTest.testWatermarkEmissi = 4; numSplits=1].
4. Note that we are ignoring this test for now: https://github.com/apache/beam/pull/11614. I ran UnboundedSourceWrapperTest a great many times on my desktop as well, but I was unable to reproduce the error. [~mxm] Have you investigated this?
5. **body:** I was not aware that tests had been disabled. I'm a bit shocked that we just disabled them without mentioning relevant folks or at least posting in the JIRA. I changed logic around the watermark propagation in BEAM-9900 which could have removed the flakiness. I'll re-enable the tests.
   label: test
6. This should be fixed but feel free to re-open if it pops up again.
7. Just saw this again here: https://builds.apache.org/job/beam_PreCommit_Java_Commit/11773/testReport/junit/org.apache.beam.runners.flink.translation.wrappers.streaming.io/UnboundedSc
8. Do you have time to take a look [~mxm]?
9. Finally had a look at the code. I was able to find the race condition. PR: https://github.com/apache/beam/pull/12025
10. The root cause has been investigated and fixed per https://github.com/apache/beam/pull/12025.