**Test Explanation and Purpose**

Before Suite - Test Case 1 - Verifying Target Files are present

This test case is to make sure that the input file from agent (large\_1M\_events.log) and the output files from both target\_1 and target\_2 are available in the automatedtests container. These files will be used for further test execution.

The suite / other tests will not run if this fails

Test Case 2 - Verifying Total File Count From Both Target1 and Target2

This test case will verify whether the sum total count for both the events.log files equals 1M (count for input file )

The subsequent test cases will not run if this test case fails

Test Case 3 - Verify File Split Ranges for Both Targets

This test case will verify the Splitter functionality and whether it’s able to distribute the data among multiple targets successfully. i.e., one Target is not getting most of the records while other is sitting idle

The current range I have chosen is min\_range - 200K, max\_range - 700K

Again, the subsequent test cases will not run if this test case fails

Test Case 4 - Verify Data Matches Between Agent Input and Final Merged Output

This test cases will read and compare each sorted file line by line and exit if there is any mismatch. The test orchestrator (test.sh) is doing all the heavy work like merging and sorting the files which is then copied to the container for the data comparison. The test case can be enhanced to print out the difference.