

LTP Github: <https://github.com/linux-test-project/ltp/tree/master>

Structure of LTP (relevant to this project):

- /
- /runtest - holds the test suites (called "scenarios" in LTP)
 - /runtest/<test suite name> - a text file holds all test case commands for this test suite
- /testscripts - holds scripts some test suites use
 - /testscripts/<script for test suite>
- /testcases - holds the executables used to run test cases
 - /testcases/<category of test> - test case exes are grouped by similar functionality
 - /testcases/<category of test>/<test case exe> - the test case exe

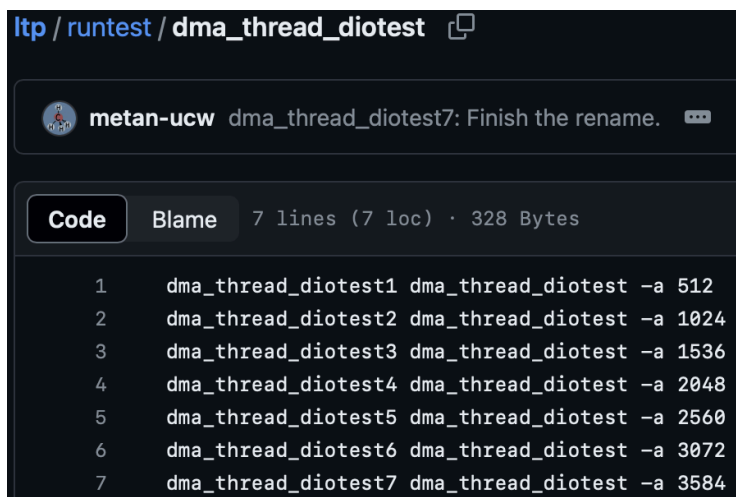
Note on /runtest/<test suite name>:

- Easily shows what tests a test suite executes

- Each line is a separate test case

- Within that line the structure is: <test case name> <test case exe> <options specific to this test case>

Ex:



```
ltp / runtest / dma_thread_diotest
metan-ucw dma_thread_diotest7: Finish the rename.
Code Blame 7 lines (7 loc) · 328 Bytes
1 dma_thread_diotest1 dma_thread_diotest -a 512
2 dma_thread_diotest2 dma_thread_diotest -a 1024
3 dma_thread_diotest3 dma_thread_diotest -a 1536
4 dma_thread_diotest4 dma_thread_diotest -a 2048
5 dma_thread_diotest5 dma_thread_diotest -a 2560
6 dma_thread_diotest6 dma_thread_diotest -a 3072
7 dma_thread_diotest7 dma_thread_diotest -a 3584
```

Running LTP tests (parts relevant to my project):

All test suites run:

- /opt/ltp/runltp - runs the default set of tests specified in \$LTP-ROOT/scenario-groups

Specified test suites run:

- /opt/ltp/runltp -f <test suite name(s)> - runs specific test suite(s) desired

Individual cases run:

- /testcases/<path to exe> - run a test case's exe directly to run only one test case (w/ desired options)

Behind-the-scenes info I found useful for debugging:

runltp is a script that simply concatenates all the content from each test suite text file in /runtests into a single file and performs other pre-processing work and hands off to ltp-pan

ltp-pan is the actual "driver" of LTP that will parse that file and distinguish test name from commands to run the test, actually run the tests, etc.