

Description

Task verifies several candidate abilities including:

- ability to study independently by learning POSIX file systems standard
- perform data analysis by selecting important information
- design test cases and prepare documentation
- implement code based on design

Test Task

Design a set of test cases for owner/permission/content modification testing of NFS4 file system. Implement designed test cases as testing application (test suite). E.g. all tests are stored in “tests” folder and there is “main” file which run all tests and produces an output.

The results of the task are:

1. Test documentation. Use the following format:
 - Name of test case
 - Description
 - Steps
 - Expected result of each step
2. Source code of test suite
3. Logs of the latest successful tests execution

Test case example:

Test name: Change file attributes to disable run, enable it , disable again. Description: test verifies that after several disable ,enable actions permissions set to last value.

Acceptance criteria:

1. At least 8 test cases have to be created
2. At least 2 test cases for ACL management verification (optional)
3. Test documentation
4. Use one of the following scripting language:
 - a. Python (preferable)
 - b. Bash
 - c. Perl
5. Test Suite has to prepare and clean environment
6. Keep logs in log file. Short summary should be printed at the end of testing. E.g.:
TC001: Passed
TC002: Failed
TC003: Passed
7. Should be executable at any Linux-like system
8. Please use comments in the code