**TestRails :** web-based test case management tool

TestRail is a web-based test case management tool. It is used by testers, developers and team leads to manage, track, and organize software testing efforts. TestRail allows team members to enter test cases, organize test suites, execute test runs, and track their results, all from a easy to use web interface.

1. Manage test cases, suites and test runs

### Boost testing productivity

### Real-time insights into your testing progress

### Test management at scale

### Graphical user interface, application Description automatically generated

**Features:**

* Dashboard
* Testcases and Sections
* Test runs and Tests
* Products and their types
* Milestones
* Test plans and configurations
* Todos and notifications
* Tracking progress and activity

Trial license is for 14 days.

Every testcase will have 5 test statuses as shown below:

Graphical user interface, application

Description automatically generated

Graphical user interface

Description automatically generated

Enable API Access in TestRails:

1. Administration -> Site Settings -> API Tab
2. Enable API – select it
3. Enable session authentication for API – select it
4. Save Settings – click it

**Steps to create test cases, test plan and jenkins integration:**

1. TEST CASES – Add tests for case\_esac.sh program (6) under Positive and Negative sections.
2. TEST RUNS and RESULTS – Create a test run and select all of above tests for run
3. Provide PROJECT\_NAME and RUN\_NAME in build params of Jenkins job
4. Write a python script to update test results from jenkins run to the TEST RUN in Testrails.
   1. Decomentation: <https://www.gurock.com/testrail/docs/api>
   2. Push the code to your github repo
5. Execute Jenkins job

Graphical user interface, text, application, email

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