
Squash TF Documentation

squashtest

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Squash Test Factory (aka **Squash TF**) is a set of components whose purpose is to help implement and run the automated tests of your projects.

More precisely, our goal is :

- to be able to run your tests whatever the technology you used to implement them
 - to facilitate the run of your tests on multiple environments
 - to offer a solution which allows the use of multiple test stacks in one test
 - to bring tools easy to integrate in CI/CD pipelines
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Squash TF in the automated testing life cycle

A typical cycle to create an automated test has 3 phases:

- Phase 1: Specify the test to achieve
- Phase 2: Implement the automated test based on the description done in Phase 1
- Phase 3: Run the test implemented in phase 2

Let's see how Squash TF can help you in each of these phases.

1.1 The specification phase

Sorry ! Squash TF is not intended to offer help during this phase. However, its brother project **Squash Test Management** (aka **Squash TM**) can.

In addition, it is possible to establish a [bridge between Squash TF and Squash TM](#) for the run phase.

1.2 The implementation Phase

When it's time to implement your automation tests described in phase 1, you have a wide range of tools at your disposal.

Factors that will influence your choice are :

- Your automation test's nature (GUI test, REST API test, etc)
- Your preferred implementation language (Java, C#, python, etc)
- Your preferred scripting technique (linear, keyword-driven, etc)

For now, Squash TF is able to run, during phase 3, automation test implemented with the following tools/framework :

- [Java / Junit](#)
- [Gherkin / Cucumber \(Java\)](#)

- Robot Framework
- Squash Keyword Framework (SKF)
- UFT (Commercial plugin)
- Ranorex (Commercial Plugin)

1.3 The run phase

The **Run** phase is supported by [Squash Execution Server](#) which will execute your tests on distributed environments and report their status to Squash TM.

It is assisted by [runners](#) to execute automated tests designed with the frameworks previously listed.

CHAPTER 2

Our documentations

- [Squash TF components](#) : to learn about the components available to help you launch your automated tests.
- [Squash Keyword Framework](#) : to learn about our keyword oriented automation framework.