

# **BEST TEST MANAGEMENT TOOLS OF 2021**

**Find and manage the bugs that matter with these test tools**

Test management tools are a great resource to help you find and manage the bugs that matter so you can focus on building better software and a better software development process.

---

development, having a tool to manage all of the iterations of testing is critical.

In this article, I summarize and compare 10 of the best test management tools to help organize the end to end test cycle.

## The Best Test Management Tools List

Here's a shortlist of the best test management software:

1. Practitest
2. TestRail
3. Kualitee
4. Testpad
5. TestMonitor
6. IBM Rational Quality Manager
7. Microfocus Silk Central
8. TestLink
9. qTest Manager
10. Test Collab

## Test Management Tools Comparison Criteria

What specifications and functions are we looking for when we select test management tools for review? Here's a summary of my evaluation criteria:

1. **User Interface (UI):** Is it clean and attractive?
2. **Usability:** Is it easy to learn and master? Does the company offer good tech support, user support, tutorials, and training?
3. **Features & Functionality:**
  - **Test planning** – does the tool have capabilities for creating and recording test plans, test cases, and test runs? Does it help QA team members plan test designs and create test suites?
  - **Requirements management** – does it allow development teams to set and track requirements throughout the testing process?
  - **Test execution** – does the tool support test execution for various types of testing, such as manual testing, test automation, continuous testing, integration testing, and more?
  - **Reporting and analytics** – can team members generate detailed and useful reports on test results and progress throughout the test process?

4. **Integrations:** Is it easy to connect with other tools or add-ons? Any pre-built and seamless integrations with other software you already have in use, such as bug tracking software, issue



software, continuous integration tools, or [test automation tools](#).

5. **Value for \$:** How appropriate is the price for the features, capabilities, and use case? Is pricing clear, transparent, and flexible?

*The QA Lead is reader-supported. We may earn a commission when you click through links on our site – learn more about how we aim to stay transparent.*

## Best Test Management Tools List

Here's my list of the top test management tools. These test case tools help the software quality assurance process and reduce manual testing efforts so you spend less time messing around with Excel spreadsheets or old-school test cases and more time doing the work of software testing and fixing bugs.

### 1. Practitest – Best for unique hierarchical filter trees



*PractiTest's test runs dashboard records test run status, assignees, and dates.*

PractiTest is an end-to-end test management tool. A common meeting ground for all QA stakeholders, it enables full visibility into the testing process and a deeper, broader understanding of testing results. The tool is fully customizable & flexible for the ever-changing needs of QA teams, allowing them to customize fields, views, permissions, issue workflows, and more.

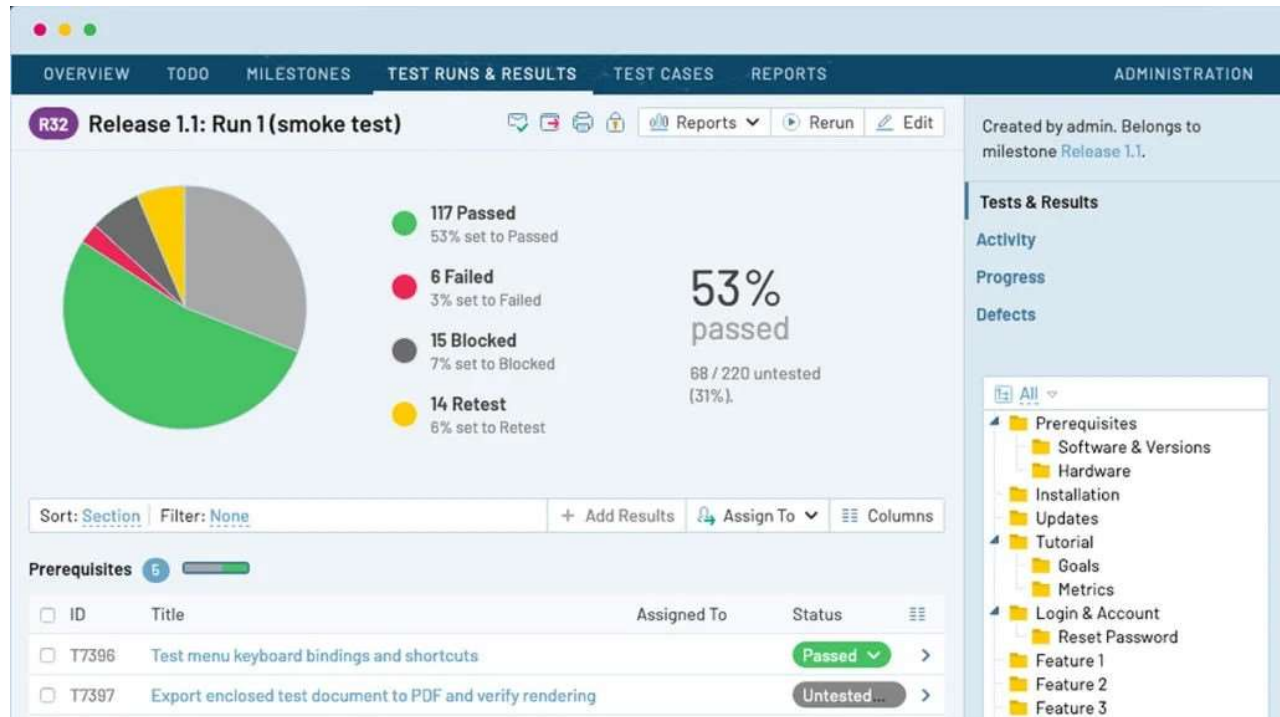
The software also allows users to reuse tests and correlate results across different releases and products, as well as avoid doing duplicate work with anti-bug duplicates, permutations, step parameters, and the call to test feature.

Another great feature is the unique hierarchical filter trees, which are great for organizing everything and finding anything quickly. QA team members can visualize data with advanced dashboards and reports.

PractiTest allows for a vast array of third-party integrations with common bug trackers such as Redmine, Jira, Pivotal Tracker, and more, as well as automation tools. The tool also offers a robust API for further integrations.

Pricing for PractiTest starts at \$39/user/month.

## 2. TestRail – Best for built-in and custom templates



*Get analytics and reporting on test runs and results in graphical form.*

TestRail is your source for scalable, customizable, and web-based test case management. They offer a cloud-based/SaaS solution, or you can install TestRail on your own server. Efficiently manage manual and automated test cases, plans, and runs, and get real-time insights into testing progress with informative dashboards, metrics, and activity reports.

TestRail allows users to document test cases with screenshots and expected results. You can use the flexible built-in templates or create your own custom templates. TestRail also includes some great productivity features, such as milestones, personal to-do lists, and email notifications for boosting efficiency.

Integrate TestRail with tools in your CI/CD/DevOps pipeline including JIRA, Bugzilla, Jenkins, TFS, and more. TestRail also offers support for Docker containers.

TestRail pricing starts at \$34/user/month. They also offer an enterprise edition designed for large teams & mission-critical projects.

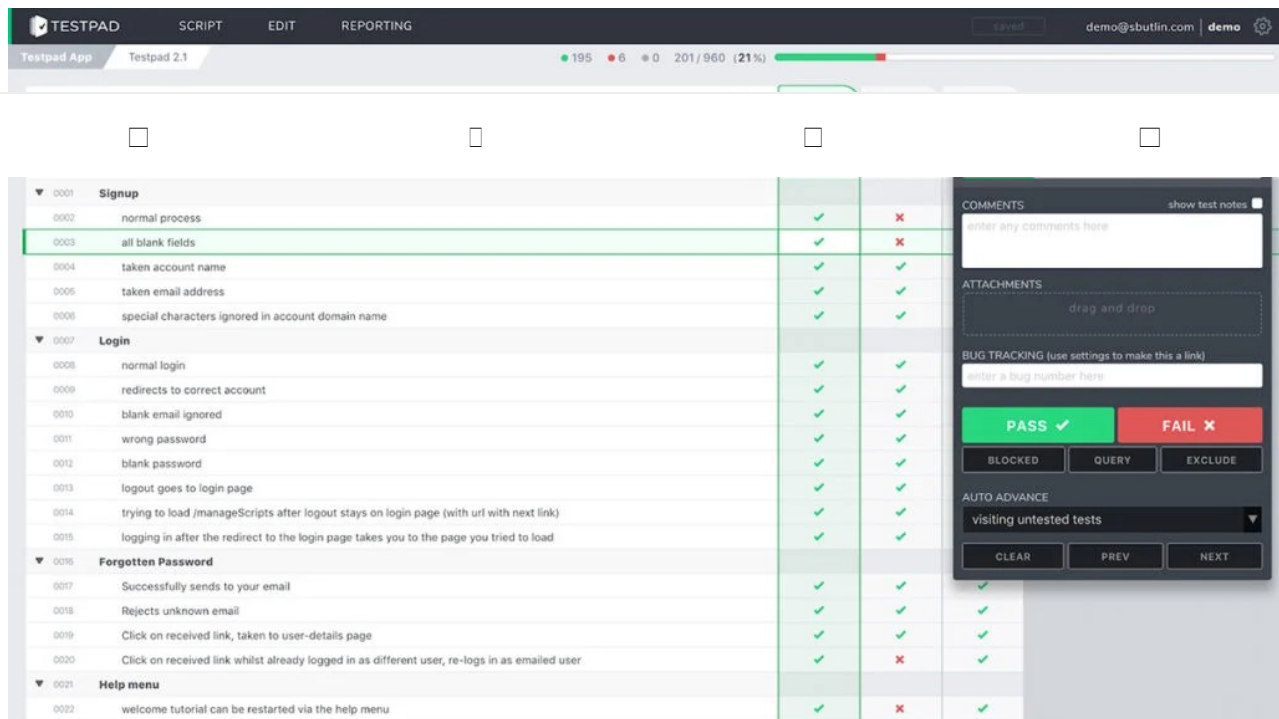
[illegible]

With its feature of defect management, Kualitee runs a complete testing flow from test planning to execution and issue tracking. It's an all-in-one tool where testers, developers, and project managers can collaborate.

Kualitee integrates with Jira, Selenium, Jenkins, and Bitbucket. The tool also offers a mobile app for increased ease of use.

Pricing starts at \$15/user/month. Kualitee also offers a free 7 day trial.

#### 4. Testpad – Best for non-testers



*Create test plans through drag and drop organization.*

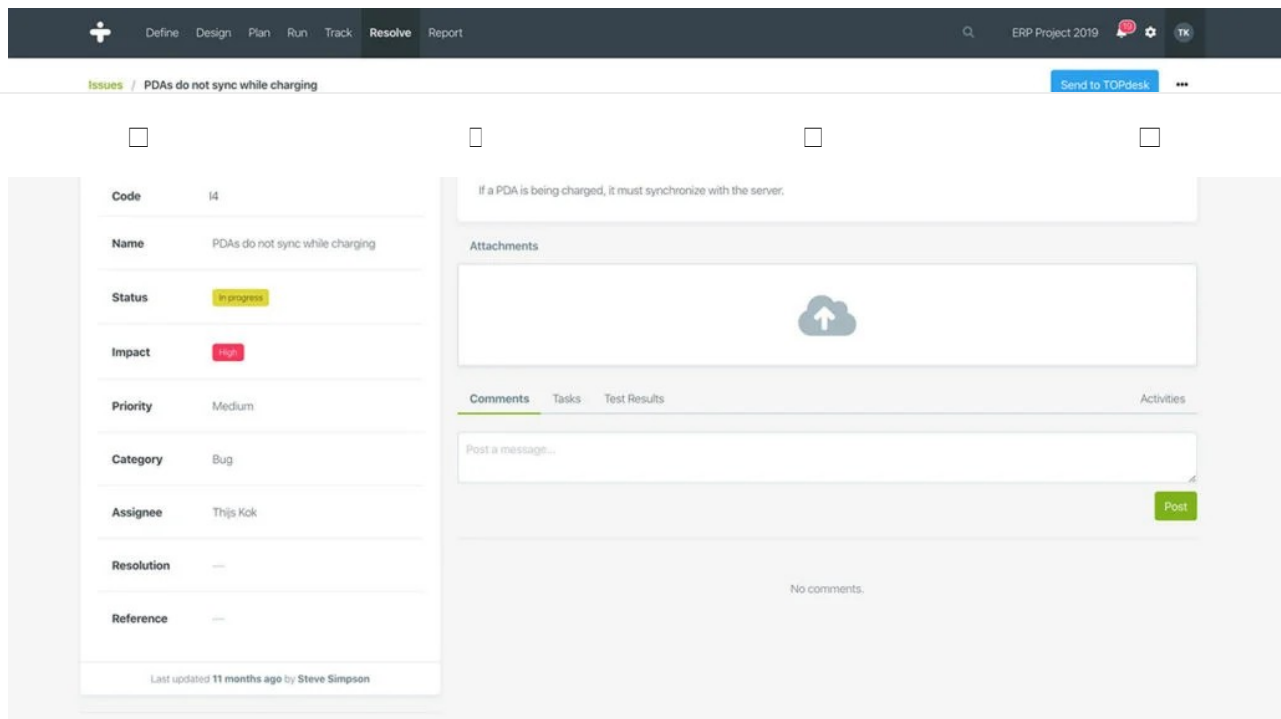
Testpad is a simpler and more accessible manual test tool that prioritizes pragmatism over the process. Instead of managing cases one at a time, it uses checklist-inspired test plans that can be adapted to a wide range of styles including exploratory testing, the manual side of Agile, syntax-highlighted BDD, and even traditional test case management.

With Testpad, users can invite guest testers through email, who don't need accounts to use the tool. The tool is also usable and intuitive, with drag and drop organization for test plans. Even non-testers can quickly get the hang of the software.

The test editor is keyboard-driven with a JavaScript-powered and responsive UI. It's also easy to add new tests during testing, as you think of new ones.

Testpad offers lightweight integration with issue trackers, including JIRA. Pricing starts at \$49/month for 3 users. Testpad also offers a free 30-day trial.

## 5. TestMonitor – Best for comprehensive result tracking



*Test and keep track of bugs and issues, and record test results.*

TestMonitor is an end-to-end test management tool for every organization. Whether you're implementing enterprise software, building a quality app, or you just need QA or a helping hand for your test project, TestMonitor has you covered.

TestMonitor offers advanced test case design that is capable of supporting thousands of cases. The tool's robust planning tools feature multi-tester runs and milestone cloning.

Another great functionality is the comprehensive result tracking and smart reporting with many filter and visualization options. Integrated issue management, as well as requirement and risk-based testing are also included.

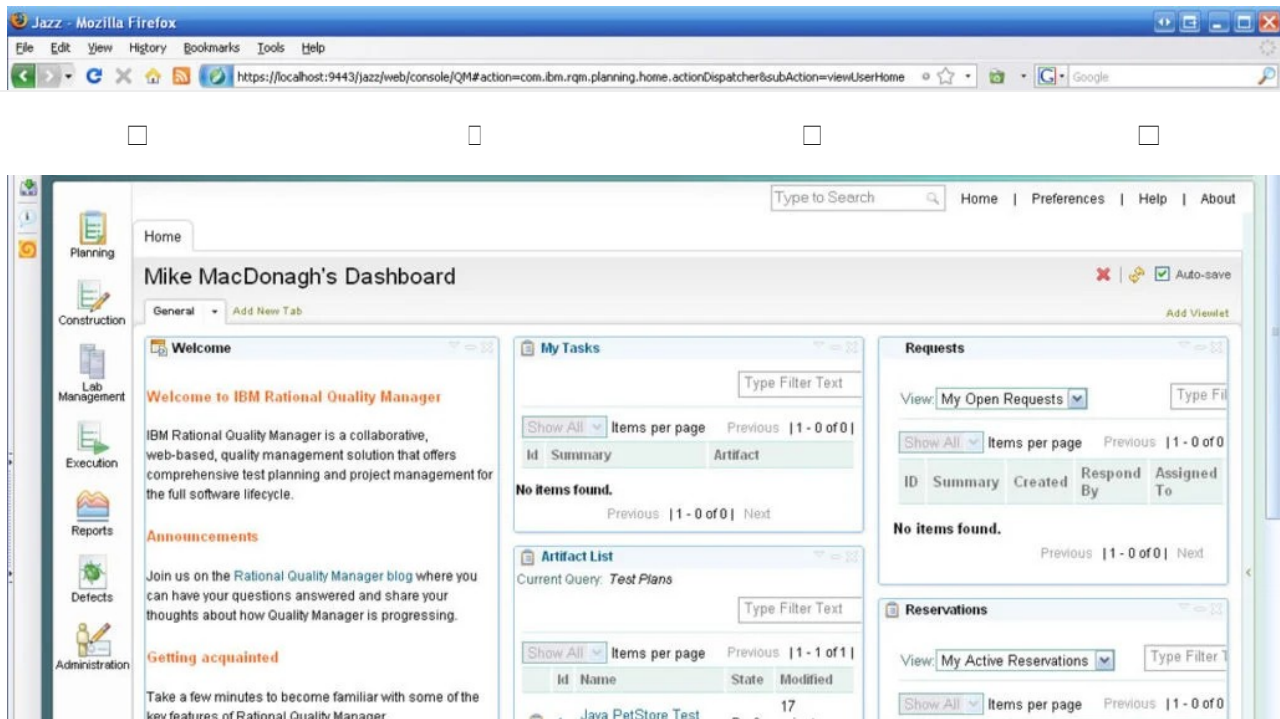
TestMonitor features a simple UI and professional support with quick response times.

Third-party integrations such as Jira, DevOps, and Slack are available, and TestMonitor includes a REST API for further integrations.

TestMonitor pricing starts at \$19/user/month.

## 6. IBM Rational Quality Manager – Best for team collaboration





*Individual user dashboards offer insight on tasks, test planning, and test execution.*

IBM Rational Quality Manager can automate and accelerate project schedules, and provides reporting on metrics so your team can make informed release decisions.

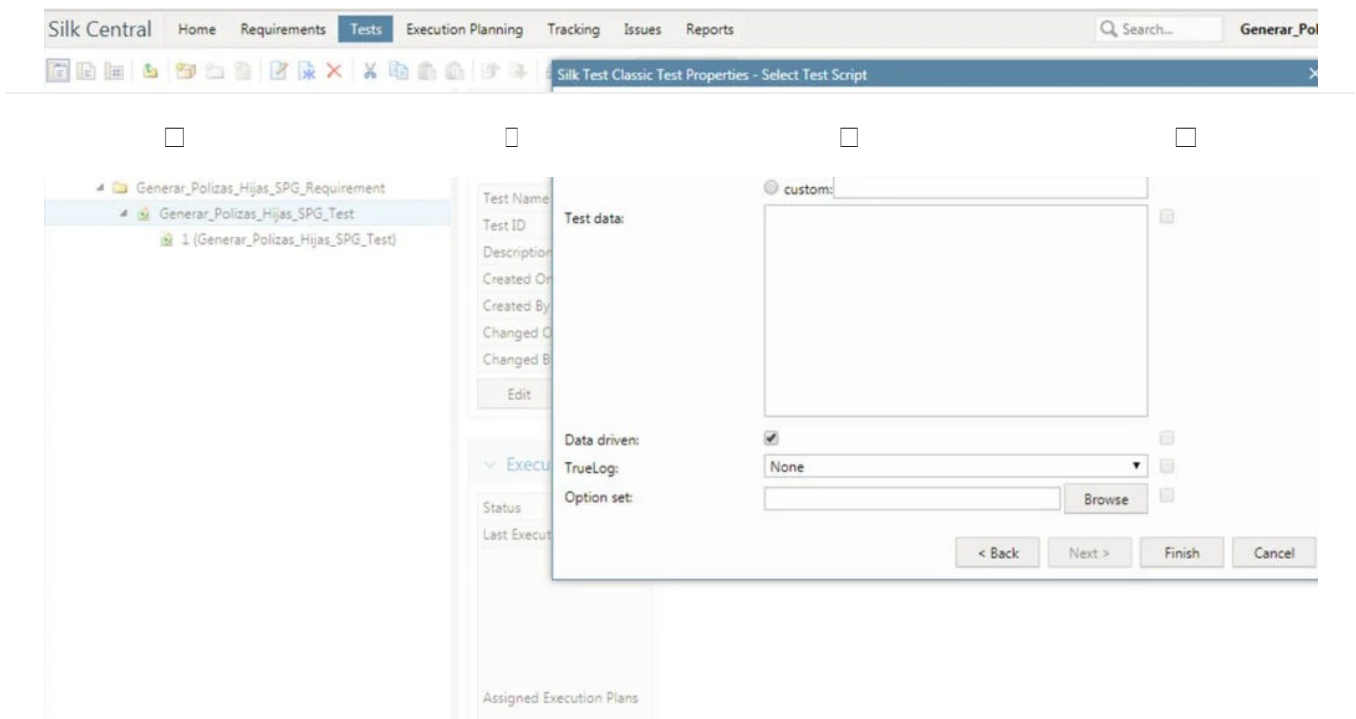
It can be used for tracking online test management, maintaining simple online libraries, tracking engineering releases, customer releases, and more. It is platform independent, and it enables teams to manage QA projects effectively.

Define test plans and edit test cases directly in Rational Quality Manager. IBM's Rational Quality Manager also offers features for analyzing and reporting on tests and your project overall, as well as live views for test execution statuses. Boost team collaboration with the ability to assign tasks to other team members and view team status.

Rational Quality Manager can integrate with other IBM Rational products in their Collaborative Lifecycle Management suite, as well as with other IBM software for items like automation testing, requirement management, and change management.

Pricing starts at \$164/user/month. IBM also offers a free trial for Rational Quality Manager.

## **7. Microfocus Silk Central – Best for bug and issue recreation**



*Set up and run test scripts to recreate issues and bugs.*

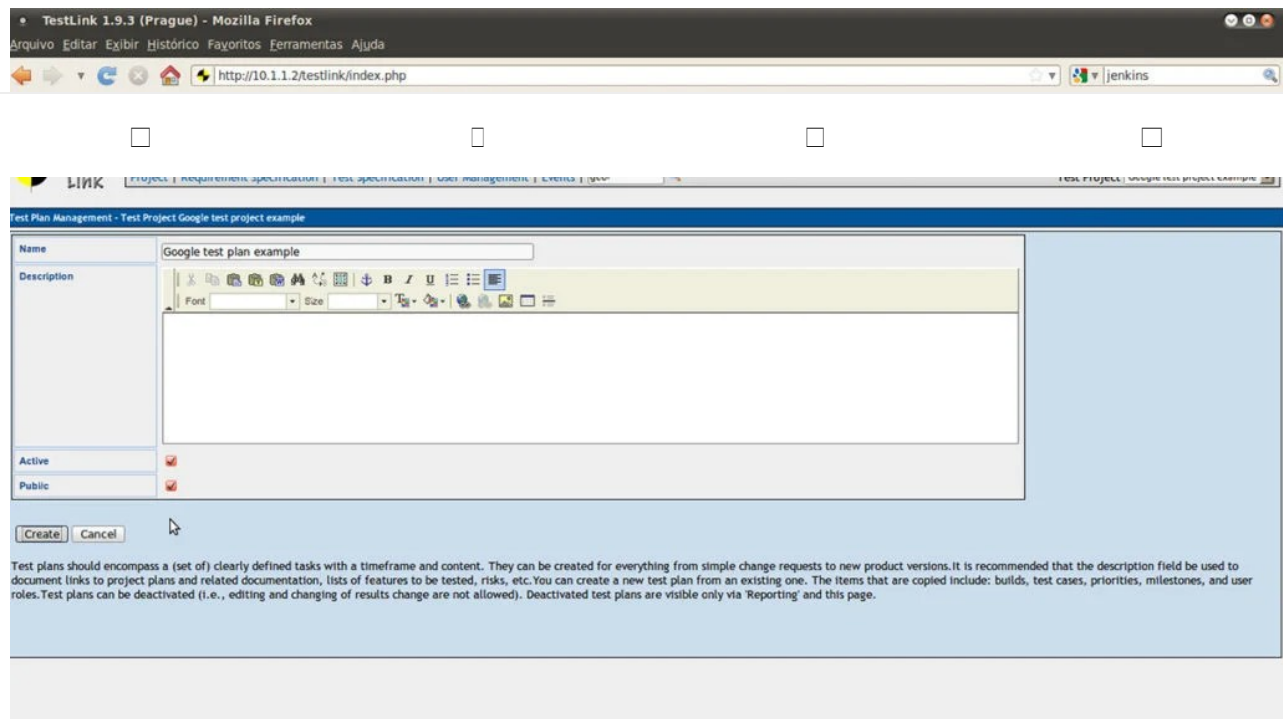
Silk Central allows you to unify all test assets into one easy-to-use planning, tracking, reporting, and execution hub. With Silk Central, it is easy to recreate bugs and issues within the software.

Silk Central provides insight into test execution with the TestBook dashboard panel for manual testing, and see who worked on what to keep track of progress. Testers can share comments and raise questions by posting comments directly to TestBook as they test, which increases collaboration among team members.

Third party integrations for Silk Central include IBM DOORS, IBM Rational ClearQuest, Bugzilla, Jira, and Git. Silk Central offers further integrations through their API.

Silk Central pricing is available upon request, and they offer a free trial.

## **8. TestLink – Best for an open-source option**

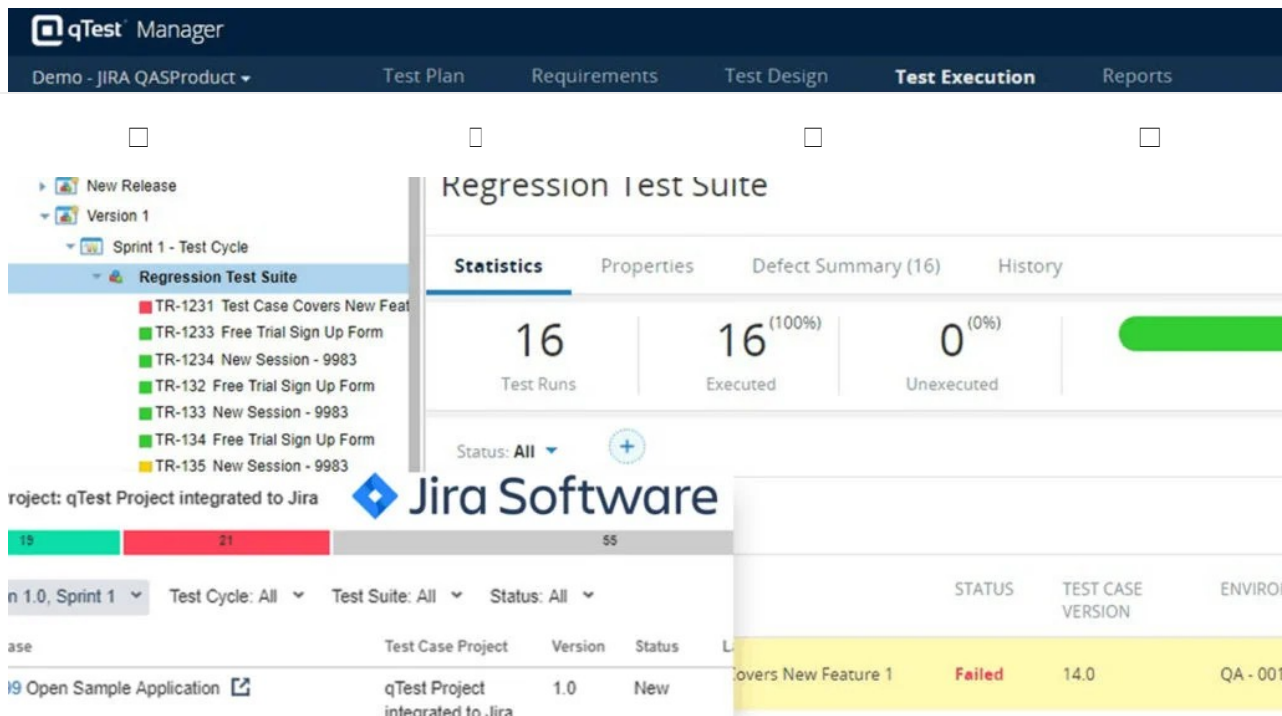


*Create test plans and write test cases in an open source platform.*

TestLink allows users to create test cases and test plans, manage users, and visualize test results and progress through reporting and statistics. Exporting and importing test cases is simple and intuitive, and TestLink also offers an easy method for assigning test cases to multiple users. TestLink is an open source software, so users can customize it to fit their needs exactly.

TestLink can integrate with many defect management tools, as well as tools such as Selenium, Katalon Studio, TeamForge, Jira, and more. As an open source tool, TestLink is free to use.

## 9. qTest Manager – Best for Agile and DevOps processes



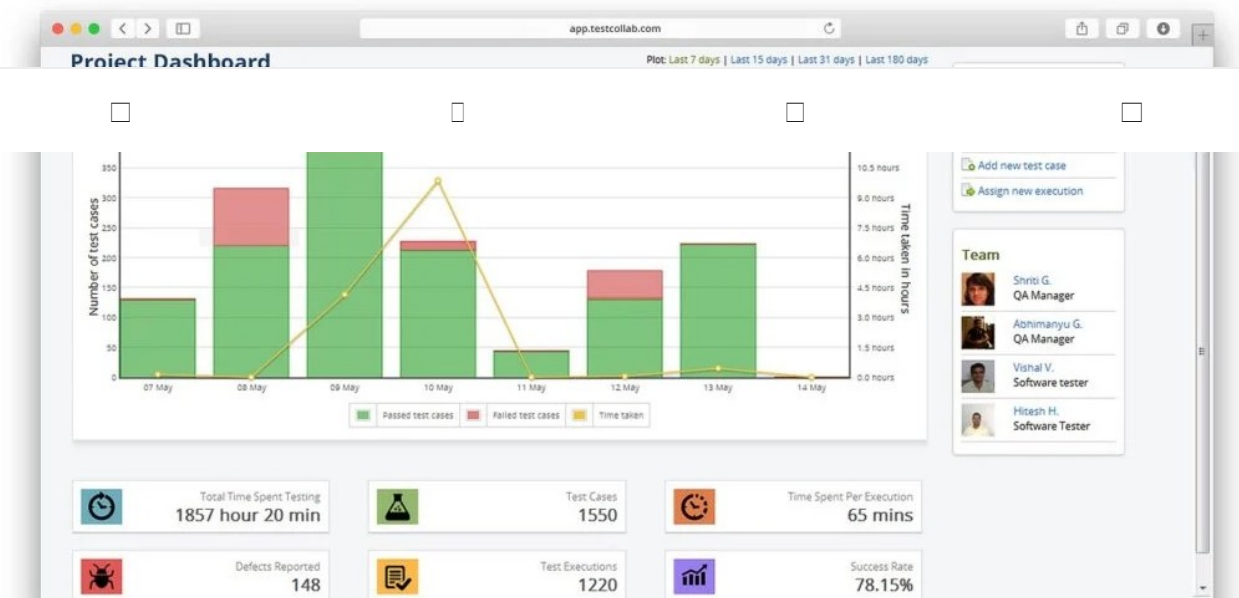
*Run regression tests and integrate directly with Jira.*

qTest Manager transforms the test case management process, helping enterprise teams get faster and more efficient. It's a testing platform built for enterprise teams practicing Agile and DevOps processes for test management. This platform has a modern, browser-based UI that facilitates all testing activities including test management, automation, and reporting.

Some other useful features include seamless test automation scheduling and CI integrations, solid reporting and analytics, and exploratory and session based testing. The software also offers an enterprise behavior driven development (BDD) solution.

qTest also has integrations with development tools like Jenkins and GitHub for traceability, and real-time integration with Jira and other Atlassian tools. Pricing for qTest Manager is available upon request.

## 10. Test Collab — Best for creating reusable test case steps



Test Collab's dashboard provides users with overviews of defects, tests executed, total tests cases, and more.

Test Collab is a user-friendly test management tool that supports automation testing and manual testing. Users can get a jump on planning and designing test cases, document test requirements, and view custom reports on test suites, test case distribution, and test executions.

The tool also allows users to set up custom filters and fields for sorting and filtering test cases and executions to drill-down on relevant insights. Test Collab also has a built-in time tracker, requirements management and acceptance criteria, and the ability to set up reusable steps which can be repurposed across multiple test cases.

Test Collab integrates with Jira, Redmine, Asana, Bugzilla, GitHub, and a variety of other tools. The tool also offers an API for further integrations.

Pricing for Test Collab starts at \$29 per user per month. A free plan is also available, as is a 30 day free trial.

## Other Test Case Management Tool Options

Here's a few more that didn't make the top list. If you need additional suggestions for handy testing tools, check these out.

1. Zephyr for Jira – Zephyr is an add-on for Jira that pulls test management features directly into Jira. It integrates with Bamboo, Jenkins, and other continuous integration tools.

2. TestLodge – TestLodge is an online test management tool without any user limits, allowing full teams of testers to plan and execute tests. The tool integrates with many issue trackers, \_\_\_\_\_



3. **TestCaseLab** – TestCaseLab offers simple test case management as well as test case grouping, editing, and reordering. Their activity stream allows users to see what's been worked on and what needs to be worked on. TestCaseLab integrates with Asana.

## What Do You Think?

What test management software are you using? Have you tried any of the tools on this list or looking for a list of free tools? Are there any test management solutions that we've missed? Let us know in the comments below!

If you're looking for tools to use with Jira, here's our list of the 10 Best Test Management Tools For Jira In 2021.

Subscribe to our QALead newsletter to stay up to date on the latest tools and best practices in QA and software testing!