

July 12th, 2023 - Major Update - v1.1.84-4.000.000

July 12th, 2023

We are excited to announce that this release **Xray Cloud 1.1.83-4.000.000** includes Test Parameterization for automated tests, a feature that allows you to create automated tests with dynamic data.

This means you can run the same test with different inputs and outputs, without having to write multiple test cases. Test Parameterization can help you save time, reduce errors, and increase test coverage.

This release also makes available **Xray Enterprise** new product offer, this brings the enterprise features available to our Cloud customers, namely:

- Test Case Versioning;
- Test Case Designer;
- Increased API rate limit (200 calls per minute);
- Increased storage capacity for attachments.

Unlock quality at scale – test less, cover more, release faster – all while delivering the highest quality software.

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Release highlights

Test Parameterization for automated tests

Maximise your coverage with test parameterization

Testers frequently have multiple data sets for 1 test but creating individual tests for each data set takes time and effort. With data-driven testing, you can keep data separate from tests and execute different combinations of test data to generate results efficiently.

You can quickly define a large number of tests with different output values and reuse your data sets. Data-driven testing increases your coverage, eliminates repetitive tests, and most importantly saves significant time on test execution.

Benefits of data-driven testing and test parameterization

- Tests are easier to understand, maintain and manage.
- Execute the same test several times with different inputs which reduces test cases you have to create.
- Reduces manual effort on execution.
- Time efficient, saving time on creating repetitive test cases.
- Better organization of tests and results.
- Reduces duplicate and redundant testing.

Xray Cloud now added parameterized tests feature to the automated tests, that executes the same test with different input values, multiple times, without ever having to clone or replicate it.

With this feature, you can minimise repetitive test cases, save time on execution and increase your test coverage.

Learn more [here](#).

Test details

...

Version: v1 **DEFAULT** ▾ ...

- ☰ Test details
- 🕒 Preconditions
- 🔗 Test Sets
- 📄 Test Plans
- 🔄 Test Runs

Test Repository

Test Type

Cucumber ▾

🗃 Dataset

Scenario

Click to add a scenario definition

Activity

- Show:

All

Comments

History

Work log

Xray History

Newest first ⌵

Dataset for Test XY-81

i There are a total of 4 iterations to execute.

#	Device	...	OS	...	Browser	...	Internet
1	Microsoft Surface		Windows 10		Microsoft Edge		Local
2	MacBook Pro		macOS		Safari		Internet
3	iPhone		iOS		Chrome		Proxied
4	Google Pixel		Android		Firefox		VPN

New **+**

Test Case Versioning



Strong password validation

[Attach](#) [Create subtask](#) [Link issue](#) [Test details](#) [...](#)

Description

Add a description...

Test details

[Test details](#) [Preconditions](#) [Test Sets](#) [Test Plans](#) [Test Runs](#)

Test Type

Manual

[Edit in Dialog](#) [...](#) [↶](#) [↷](#) [?](#)

[Add Step](#) [Import](#) [Export](#)

1 Open the Change Password screen by selecting option "My Profile > Password"

2 Fill the password fields with data

[New Step](#) [Call Test](#)

Version: v1 **DEFAULT** [...](#)

[New version](#)

[Rename version](#)

[Manage versions](#)

[Dataset](#)

Create Test version

v2

☒ Copy from v1 **DEFAULT**

☐ Set Default

[Create](#)

[Cancel](#)

This highly requested [Xray Enterprise](#) feature allows users to create and manage multiple versions of the same test case, to easily track and revert changes in your test specification.

Why Test case versioning?

Test cases are not static. They evolve when requirements change, or improvements are made to the application under test. Although Xray logs test specification changes in the Jira history, it is not easy to revert to a specific test case version. With Test case versioning, you can now:

- Create a new version of a test case with a single click
- Track changes on versions of a test case
- Restore a previous version of a test case if needed
- Assign a test case version to a test execution or a test plan
- Track the test execution results for each test case version
- Mark specific milestones of the Test with versions
- Have multiple active versions simultaneously, **even of different Test Types**, as you can execute them all independently.

How does Test case versioning work?

Test case versioning works in the same way as versioning of other issue types in Jira. Since Xray's Tests are Jira issues, we follow the same approach so your users work in the same manner they already do.

To create a new version of a test case, you just need to click on the "Create new version" button on the test issue screen.

Test case versioning is a powerful feature that can help you manage your test specification more efficiently and effectively. It is available for Xray Enterprise customers only.

If you want to learn more about Test case versioning, please visit our documentation page [here](#).

Test Case Designer



Parameters

Search...

58 scenarios and 2,145

2-way interactions

Freeze these Scenarios

Save as...

RULES

Scenarios

SCRIPTS

ANALYSIS

REVIEW

Share

Export

Synchronization

#	Device	Operating System	Browser	Protocol	Network	JavaScript	User Type	Purpose	Purchase price	Downpayment a
1	With TouchBar - MacBook Pro	Windows 8	Safari	IPv4	Local	Enabled	Admin	Purchase	60000	5
2	iPhone X - iPhone	Windows 10	IE 11	IPv6	Internet	Disabled	User	Refinance	90000	3
3	Microsoft Surface	iOS	Microsoft Edge	IPv6	Proxied	Disabled	Admin	Purchase	2500000	20
4	Pixel - Google Pixel	Android	Chrome	IPv4	Proxied	Enabled	User	Refinance	500000	51
5	iPhone 8 - iPhone	macOS	Firefox	IPv4	Internet	Enabled	Admin	Purchase	2500000	4
6	Without TouchBar - MacBook Pro	macOS	Firefox	IPv6	Local	Disabled	User	Refinance	450000	19
7	Microsoft Surface	iOS	Chrome	IPv6	Internet	Disabled	User	Refinance	2000000	3
8	Pixel XL - Google Pixel	Android	Microsoft Edge	IPv4	Local	Enabled	Admin	Purchase	981717	18
9	Microsoft Surface	Windows 8	Safari	IPv6	Proxied	Disabled	User	Refinance	60000	30
10	iPhone 8 Plus - iPhone	Windows 10	IE 11	IPv4	Proxied	Enabled	Admin	Purchase	119344	20
11	Microsoft Surface	iOS	IE 11	IPv4	Local	Enabled	Admin	Purchase	60000	5
12	Pixel 2 - Google Pixel	Android	Safari	IPv6	Internet	Disabled	User	Refinance	2500000	3
13	With TouchBar - MacBook Pro	Windows 8	Microsoft Edge	IPv4	Internet	Disabled	User	Refinance	60000	4
14	Without TouchBar - MacBook Pro	Windows 10	Chrome	IPv6	Proxied	Disabled	User	Purchase	2500000	51
15	iPhone 7 - iPhone	macOS	Firefox	IPv6	Proxied	Disabled	Admin	Purchase	60000	19
16	With TouchBar - MacBook Pro	iOS	Chrome	IPv6	Local	Disabled	User	Refinance	2500000	14
17	iPhone 7 Plus - iPhone	Windows 10	Safari	IPv4	Local	Enabled	Admin	Purchase	90000	5
18	Pixel 2 XL - Google Pixel	Android	Firefox	IPv6	Internet	Disabled	User	Refinance	60000	36
19	iPhone X - iPhone	Windows 8	IE 11	IPv4	Local	Enabled	Admin	Purchase	500000	3
20	iPhone 8 - iPhone	macOS	Microsoft Edge	IPv4	Internet	Enabled	Admin	Purchase	2500000	20
21	Microsoft Surface	iOS	Firefox	IPv6	Internet	Enabled	Admin	Refinance	450000	3

Parameters

Click and drag to move around, zoom in and out with your mouse wheel. Click the circles to expand and collapse.

RULES

Scenarios

SCRIPTS

ANALYSIS

REVIEW

Notes

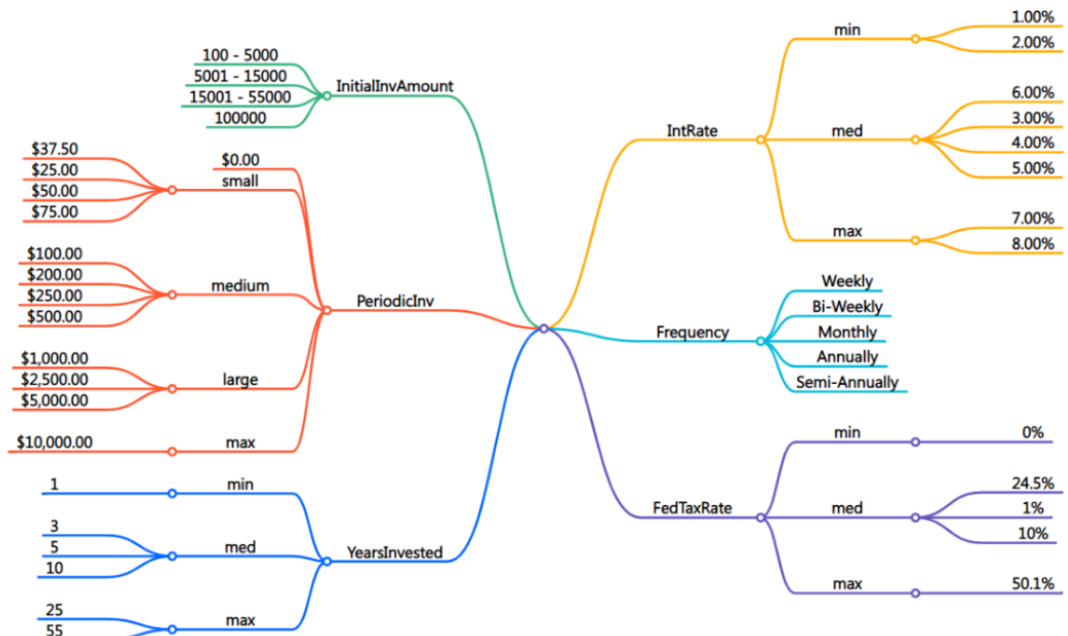
Mind Map

Scorecard

Share

Export

Synchronization



Xray Test Case Designer is a revolutionary test design optimisation tool that will increase the effectiveness of your testing

It is used by teams in the early stages of the testing processes (and by teams when they're creating scenario-based requirements). Benefiting from Intelligent Augmentation algorithms, Xray Test Case Designer test sets have been repeatedly proven to find more defects (and find them more efficiently) than hand-selected test sets.

To do so, it carefully constructs combinations of test conditions to achieve as much coverage as possible in as few tests as possible using applied statistics-based optimisation methods that have been refined over more than 40 years.

Why Test Case Designer?

Model-based test design is a technique where, instead of writing test cases for each acceptance criteria in isolation, we first create an artifact that holistically represents the behaviour of the system-under-test (or its part relevant to the current project). Then, we derive a more comprehensive test suite from that artifact.

Test Case Designer helps in:

- Create optimised tests, varied to ensure up to 100% requirements coverage. Eliminate gaps in coverage and turn test scenarios into automated test scripts.
- Enables optimised in-sprint automation. Rapidly create clear and consistent steps that leverage Behaviour Driven Development.
- Intelligent Augmentation algorithms help you find defects 2x faster than hand-selected test sets. Systematically cover 100% of all of the application's critical interactions.



Faster model creation

Designing the artifacts by hand cannot compete with the algorithmic generation when it comes to speed, especially for complex systems



More efficient maintenance

Changes at the model level are automatically applied to all affected test cases



Minimized redundancy and maximized thoroughness

The TCD algorithm makes sure the data scenarios are as varied as possible while providing flexible coverage goals. That often leads to earlier detection of defects



Diverse collaboration artifacts

In addition to the mind maps/data tables, you can leverage visualizations like coverage matrix or script templates to make sure all stakeholders are on the same page about the testing scope

If you want to learn more about Test Case Designer, please visit our documentation page [here](#).

Just one last, yet important, thing...

Documentation is always very helpful and sometimes you might miss new articles. We've added these tutorials to our extensive wiki, feel free to take a look at them:

- **Tutorials, Tips, and Tricks**
 - [Test Case Designer](#)