

May 29, 2021 - Major Update - v1.1.56-2.000.000

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The Xray team is proud to announce the release of **Xray Cloud 1.1.56-2.000.000**. This version's major features include **parameterized tests**, **data-driven testing**, **importing screenshots from Robot Framework**, **grouping defects and evidence** on the overall panel within the execution screen, and an overall **UI/UX revamp** of the Xray issue panels and execution page.

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Release highlights

Parameterized tests 😊

Test parameterization is a powerful practice that allows the same test to be executed multiple times with different parameters. Parameters are similar to input values (variables) that can change with each execution.

Parameterized tests in Xray are defined just like any other test with the addition of some parameter names within the specification using the following notation: **`${PARAMETER_NAME}`**. This notation is used to reference parameters within the **test steps**.

Precondition issues can also be parameterized by including parameter names in the precondition specification.

The parameters, along with their values, are defined within a **dataset**. A dataset is a collection of data represented with a tabular view where every column of the table represents a particular variable (or **parameter**), and each row corresponds to a given record (or **iteration**) of the dataset. The number of rows in the dataset determines the number of iterations to execute.

A dataset can be defined in the following entities/scopes:

1. Test (default dataset)
2. Test Plan - Test
3. Test Execution - Test (Test Run)

The closest dataset to the test run will be the one used to generate the iterations, effectively overriding any dataset defined in higher levels.

All iterations for a given test are executed within the context of the same test run. Each iteration can be expanded, and the steps executed individually. The step parameters will be replaced by the corresponding iteration values. The steps affect the iteration status, which in turn affects the overall test run status.

Learn more [here](#).

Dataset for Test BOOK-138

There are a total of 24 iterations to execute.

Create parameter

Import

...

Combinatorial parameters

Gift	X	Quantity	X
Yes		1	
No		2	
Select...		5	
		10	

#	Item	Price	Rating	Author
1	In Search of Lost Time	\$34	5	Marcel Proust
2	One Hundred Years of Soli...	\$20	4.9	Gabriel Garcia Mar
3	The Great Gatsby	\$39	4.7	F. Scott Fitzgerald

New

Test Type: Manual

Edit in Dialog

Create Step

Dataset

1 Action* Add \$(Quantity) books of \$(Item) into the basket.

Data

Expected Result

After items are added, a co \$(Item) were added to the

Attachments (0)




Save Cancel

Test Details

Iterations 13												
>	Iteration 1 -	In Search of Lost Time	\$34	5	Marcel Proust	Yes	New	Paperback	Yes	1	PASSED	<div><div></div><div></div><div></div><div></div><div></div></div>
>	Iteration 2 -	One Hundred Years of Solitude	\$20	4.9	Gabriel Garcia Marquez	Yes	Used	Paperback	Yes	1	PASSED	<div><div></div><div></div><div></div><div></div><div></div></div>
>	Iteration 3 -	The Great Gatsby	\$39	4.7	F. Scott Fitzgerald	No	New	Kindle	Yes	1	PASSED	<div><div></div><div></div><div></div><div></div><div></div></div>
>	Iteration 4 -	In Search of Lost Time	\$34	5	Marcel Proust	Yes	New	Paperback	No	1	PASSED	<div><div></div><div></div><div></div><div></div><div></div></div>
>	Iteration 5 -	One Hundred Years of Solitude	\$20	4.9	Gabriel Garcia Marquez	Yes	Used	Paperback	No	1	PASSED	<div><div></div><div></div><div></div><div></div><div></div></div>
>	Iteration 6 -	The Great Gatsby	\$39	4.7	F. Scott Fitzgerald	No	New	Kindle	No	1	PASSED	<div><div></div><div></div><div></div><div></div><div></div></div>
▼	Iteration 7 -	In Search of Lost Time	\$34	5	Marcel Proust	Yes	New	Paperback	Yes	2	EXECUTING	<div><div></div><div></div><div></div><div></div><div></div></div>

Steps	1	2	3
1	Action Add 2 books of In Search of Lost Time into the basket.	Data None	Expected Result After items are added, a confirmation message appears mentioning 2 items of In Search of Lost Time were added to the basket.
2	Action Click on the basket icon located on the top right toolbar of the app.	Data None	Expected Result The basket page is displayed containing all 5 items.
3	Action Press the Checkout button to start the checkout process.	Data None	Expected Result The checkout process is initiated asking the user the address details.

Importing screenshots from Robot Framework

Test details <small>GENERIC</small>			
Definition			
Jogos Confirm login popup is accessible			
Results 10			
Context	Output	Duration	Status
Open Browser (\${URL}, \${BROWSER})	Opening browser 'Chrome' to base url 'https://www.jogossantacasa.pt/'.	5s 229ms	PASSED
Set Window Size (350, 800)	-	112ms	PASSED
Capture Page Screenshot		472ms	PASSED
Page Should Contain Element (xpath://*[@id="info"]/div[2]/div/a[2])	Current page contains element 'xpath://*[@id="info"]/div[2]/div/a[2]'.	12ms	PASSED
Sleep (5)	Slept 5 seconds	5s 1ms	PASSED
Click Link (xpath://*[@id="info"]/div[2]/div/a[2])	Clicking link 'xpath://*[@id="info"]/div[2]/div/a[2]'.	60ms	PASSED
Capture Page Screenshot		377ms	PASSED
Sleep (5)	Slept 5 seconds	5s 1ms	PASSED
Select Frame (xpath://*[@id="cboxLoadedContent"]/iframe)	Selecting frame 'xpath://*[@id="cboxLoadedContent"]/iframe'. Element with locator 'xpath://*[@id="cboxLoadedContent"]/iframe' not found.	356ms	FAILED
Capture Page Screenshot		339ms	PASSED

When executing Robot Framework tests, we can capture screenshots after executing certain steps and include them in the execution report.

These screenshots will now be imported by Xray and will be provided on the execution screen as evidence of the execution.

Learn more about this feature [here](#).

Issue panels and execution page UI /UX revamp

We have redesigned some screens and issue panels in Xray.

Xray issue panels (e.g. Test issue) are now organized in tabs. This can effectively reduce page load times when navigating to Xray issues as there is now a single central panel.

The execution page has been improved also. It now features a "findings" section grouping the defects, evidence, and comments sections. This section is collapsed when there are no artefacts (defects, evidence, or comments) focusing the user on what's most important (the test details section) in order to execute the test.

The image displays two screenshots of the Xray application interface. The background screenshot shows a test execution page for a test titled "[e2e] Order checkout process". The page includes a header with the test name and a "Dataset" button. Below the header, there's a section for "Findings" which is currently collapsed. The "Findings" section contains three sub-sections: "Defects" (with two items), "Evidence" (with one item), and "Comment" (with one item). The "Test details" section is visible below the findings, showing a table of test steps. The foreground screenshot is a modal window titled "Test details". It features a tabbed interface with tabs for "Test details", "Preconditions", "Test Sets", "Test Plans", and "Test Runs". The "Test details" tab is active, showing a table with columns for "Action", "Data", and "Expected Result". The table contains two rows of test steps. The first row shows an action to "Add 1 items of 'In Search of Lost Time' into the basket" with a data field of "None" and an expected result of "After items are added, a confirmation message appears mentioning '1' items of 'In Search of Lost Time' were added to the basket." The second row shows an action to "Click on the basket icon located on the top right toolbar of the app." with a data field of "None" and an expected result of "After items are added, a confirmation message appears mentioning '1' items of 'In Search of Lost Time' were added to the basket." The modal also includes a "Create Step" button and a "Dataset" button.

Book Store / Test Execution: STORE-933 / Test: STORE-890

[e2e] Order checkout process

Test 1 of 1

Dataset Import Execution Results

Execution Status: FAILED

Started On: 27/May/2021 11:11 AM

Finished On: 27/May/2021 11:13 AM

Assignee: Bruno Conde

Executed By: Bruno Conde

Versions: 1.0

Revision: -

Test Environments: Chrome macOS

Findings: DEFECTS (2) EVIDENCE (1) COMMENT

Defects

- GLOBAL: STORE-937 Error in checkout process when selecting payment method
- STEP 6: STORE-938 Can't find VISA option for payment card

Evidence

- STEP 5: error-no-visa.png

Comment

Execution failed as there is no VISA payment option.

Test details

Test Issue Links

- created
- STORE-937 Error in checkout process when selecting payment method
- STORE-938 Can't find VISA option for payment card

tests

- STORE-939 As a user, I can complete the checkout process

Parameters

- \$(item) = In Search of Lost Time
- \$(Price) = \$34
- \$(Rating) = 5
- \$(Author) = Marcel Proust
- \$(In stock) = Yes
- \$(Condition) = New

Steps

1	Action	Data
1	Add 1 books of In Search of Lost Time into the basket.	None
2	Click on the basket icon located on the top right toolbar of the app.	None

Test details

Test details Preconditions Test Sets Test Plans Test Runs

Test Type: Manual

Edit in Dialog

Create Step

1

Action

Add 1 items of In Search of Lost Time into the basket.

Data

None

Expected Result

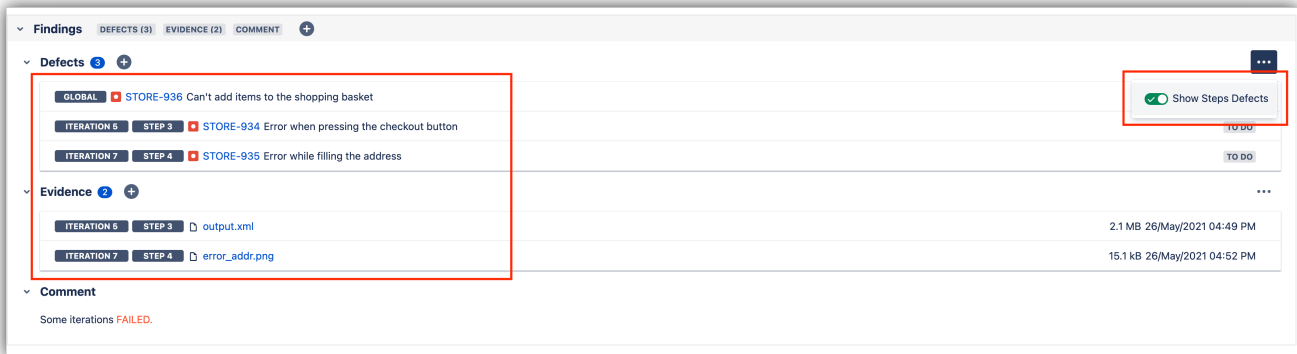
After items are added, a confirmation message appears mentioning 1 items of In Search of Lost Time were added to the basket.

Context

None

Attachments (0)

Group defects and evidence on the execution screen



It is now possible to aggregate all defects and evidence on the overall top panel within the execution screen. This way, both the global defects and the defects associated with steps will be shown on the same panel, making it easier to view all the defects created during execution. The same is also true with evidence.

This feature is optional and you can disable it within the execution screen.

Find out more about this feature [here](#).

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And more...

Archive Test Runs

- [XRAYCLOUD-2705](#): Users must be able to search for archived test runs by status

Reporting

- [XRAYCLOUD-2664](#): The Test Plan Metrics report must display the metrics without the need for hovering the status bars
- [XRAYCLOUD-2739](#): As a user, I should be able to export the Test Runs Custom Fields, when using the Document Generator
- [XRAYCLOUD-2541](#): As a user, I want to export the Test Repository Path.
- [XRAYCLOUD-2799](#): Overall Test Coverage Gadget should allow to group by Epic link

Automation

- [XRAYCLOUD-2741](#): As a user, I can export to Cucumber .feature from the requirements issue screen

UI/UX

- [XRAYCLOUD-2622](#): As a user, I edit precondition steps with the wiki markup field and respective toolbar
- [XRAYCLOUD-2729](#): As a user, I can filter the Test issues inside the Test Set

Defects

- [XRAYCLOUD-2487](#): Include actual result when enabling the option "Steps to reproduce"

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Just one last, yet important thing...

Documentation is always important and sometimes you may miss it. Check out these articles that we've recently added to our extensive documentation.

- [Testing web applications using Playwright](#)
- Integrations
 - [Integration with Travis CI](#)
 - [Integration with Test Modeller](#)

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Features and Bug Fixes in this release

Key	Summary	T	Created	P	Status	Resolution
XRAYCLO UD-2799	Overall Test Coverage Gadget should allow to group by Epic link.	+	Nov 18, 2020		SHIPPED	Fixed
XRAYCLO UD-2734	As a user, I can see all defects/evidences in the overall section of the execution page	+	Nov 03, 2020		SHIPPED	Done
XRAYCLO UD-2739	As a user, I should be able to export the Test Runs Custom Fields, when using the Document Generator	+	Nov 04, 2020		SHIPPED	Done
XRAYCLO UD-2729	As a user, I can filter the Test issues inside the Test Set	+	Nov 02, 2020		SHIPPED	Done
XRAYCLO UD-2487	Include actual result when enabling the option "Steps to reproduce"	+	Aug 24, 2020		SHIPPED	Done
XRAYCLO UD-2541	As a user, I want to export the Test Repository Path.	+	Sep 09, 2020		SHIPPED	Done
XRAYCLO UD-2160	As a user, I should be able to import the Robot Framework's screenshots to an execution	+	Jun 03, 2020		SHIPPED	Done
XRAYCLO UD-2705	Users must be able to search for Archived Test Runs by status	+	Oct 22, 2020		SHIPPED	Done
XRAYCLO UD-2450	As a Jira Admin I can disable Document Generator feature	+	Aug 12, 2020		SHIPPED	Done
XRAYCLO UD-2429	Parameterized Tests	+	Aug 10, 2020		SHIPPED	Done
XRAYCLO UD-2741	As a user, I can export to Cucumber .feature from the requirements issue screen	+	Nov 05, 2020		SHIPPED	Done
XRAYCLO UD-2664	The Test Plan Metrics report must display the metrics without the need for hovering the status bars	+	Oct 15, 2020		SHIPPED	Done
XRAYCLO UD-3039	Provide a mapping to print the folder name which the test belongs to when the test is being export from the Test Plan or Test Repository board	+	Jan 22, 2021		SHIPPED	Done
XRAYCLO UD-2622	As a user, I edit precondition steps with the wiki markup field and respective toolbar	+	Sep 30, 2020		SHIPPED	Done
XRAYCLO UD-2827	The url of attachments such as documents and videos is not correctly converted when placed in the description of the issue	🔴	Nov 23, 2020	🔴	CLOSED	Done

15 issues

