

Parameterized Tests

- Overview
 - Parameterized tests
 - Datasets
 - Parameter types
 - Combinatorial parameters
 - Dataset scopes
 - Dataset limits
 - Parameterized preconditions
 - Execution
 - Parameterized tests vs test environments
- Defining a parameterized test
 - Manual Steps
 - Generic or Unstructured definition
 - Gherkin Scenarios
- Creating a dataset
- Importing a dataset from a CSV file
- Exporting a dataset to a CSV file
- Overriding a dataset in a test plan or test execution

Overview

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.

Without the ability to define parameterized tests, all values must be hard-coded into the specification, which makes the test static and difficult to modify. Static tests lead to a lot of redundancy since you need to define and clone the same test for the different combinations of values needed to cover different scenarios or variations of the same test.

By extracting the variability of the test specification into a table of test inputs and verifiable outputs, we are effectively doing **data-driven testing**. Ideally, these tests are automated. However, this might not be always possible or viable and manual tests can take advantage of this methodology as well.

Parameterized tests

Let's start with an example:

Suppose we need to validate the login on a website with a set of valid and invalid user names and passwords:

Username	Password	Valid
admin	123123	valid
john.doe	#####	invalid
jane.doe	jane123	valid

The following test cases need to be executed:

#	Action	Data	Expected Result
1	Open the website		The main page is displayed and the user is able to enter login credentials
2	Enter the following login and password and press the Login button	Login: admin Password: 123123	The login is valid.

#	Action	Data	Expected Result
1	Open the website		The main page is displayed and the user is able to enter login credentials
2	Enter the following login and password and press the Login button	Login: john.doe Password: #####	The login is invalid.

#	Action	Data	Expected Result
1	Open the website		The main page is displayed and the user is able to enter login credentials
2	Enter the following login and password and press the Login button	Login: jane.doe Password: jane123	The login is valid.

Instead of creating separate tests, test designers can instead create a single test with the following parameters: *Username*, *Password*, and *Valid*.

#	Action	Data	Expected Result
1	Open the website		The main page is displayed and the user is able to enter login credentials
2	Enter the following login and password and press the Login button	Login: \${Username} Password: \${Password}	The login is \${Valid} .

Parameterized tests in Xray are defined just like any other test with the addition of some parameter names within the specification.

Parameters are embedded within the test specifications using the following notation: **\${PARAMETER_NAME}** for Steps definitions and Unstructured tests, and **<PARAMETER_NAME>** for Gherkin.

This notation is used to reference parameters within the **test definition**. You can reference parameters in any **text-based** test step **custom field**, **Unstructured** definition, or **Gherkin** Scenarios.

Parameters are defined within datasets. However, it is possible to reference a parameter that is not yet defined (meaning it does not have a corresponding name within the dataset). In this case, the parameter will be highlighted in red.

Test Type

Manual

Dataset

Edit in Dialog

Q

i

+ Create Step

...

1

Action

Add

Quantity

 books of

Item

 into the basket.

Data

None

Expected Result

After items are added, a confirmation message appears mentioning

Quantity

 items of

Item

 were added to the basket.

Attachments (0)

2

Click on the basket icon located on the top right toolbar of the app.

Test Details

Version: v1

DEFAULT

 ...

Type:

Generic

Dataset

Definition:

Add

Quantity

 books of

Item

 into the basket

Datasets

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. If the dataset contains a single row, there will be a single execution parameterized with the values defined on the dataset row.

Datasets can be defined in different [entities and scopes](#). A dataset can be defined, edited, or simply viewed using the "**Dataset**" button located in each Xray [entity or scope](#).

Parameter types

Parameters can have the following types:

- **Text** - where the parameter value will be set using an open text field.
- **List** - where the parameter value can be selected from a predefined list of options.

List parameters can be created using either **ad hoc** or **predefined** lists.

Ad hoc lists are defined locally for each parameter, while predefined lists are created by administrators at different levels:

- Global - managed by Jira administrators
- Project - managed by project administrators

Global lists can not be used directly. These must be included in the project by the project administrator before they can be accessed within a dataset of that project.

Having predefined lists is useful if the list parameters are commonly used in multiple datasets. If multiple projects make use of the same list, you can also create a global list so that it can be used by different projects. This way you have a central place to manage common parameter lists.

Examples of predefined lists might be:

- Profiles,
- Users,
- Roles,
- Colors,
- Credit card types,
- Addresses,
- ...

When creating a new list parameter using a predefined list, you can choose a list that is available within the current project. The current project is determined by the parent issue where the dataset is defined.

Combinatorial parameters

Combinatorial parameters are special parameters that will be combined with the remaining parameters (combinatorial or seeding parameters) to generate all possible combinations automatically. This prevents users from typing all the combinations when creating a dataset.

Seeding parameters are those parameters that describe fixed test cases. The seeding parameters will not be combined among each other, only with combinatorial parameters.

Let's consider the following example:

We created a test to check if we can add books to a shopping cart in our online book store. We have parameters like *Item*, *Price*, *Rating*, *In Stock*, *Condition*, and *Format*. There are certain books we want to test (3 in this case). However, we would like to test all combinations of these books with the following parameters: ***Gift*** and ***Quantity***.

In this case, these will be the seeding parameters:

- *Item*,
- *Price*,
- *Rating*,
- *In Stock*,
- *Condition*,
- *Format*

Because we want to test these items with all the combinations of *Gift* and *Quantity* parameters, we can create these as **Combinatorial** parameters:

- *Gift**
- *Quantity**

Combinatorial parameters are denoted with an asterisc (*) suffix.

Dataset for Test BOOK-138

There are a total of 24 iterations to execute.

Create parameterImport***

Combinatorial parameters

Gift

Yes

No

Select...

Quantity

1

2

5

10

#	Item	Price	Rating	Author	In stock	Condition	Format
1	In Search of Lost Time	\$34	5	Marcel Proust	Yes	New	Paperback
2	One Hundred Years of Soli...	\$20	4.9	Gabriel Garcia Marquez	Yes	Used	Paperback
3	The Great Gatsby	\$39	4.7	F. Scott Fitzgerald	No	New	Kindle

New

Xray will generate all possible combinations upon execution automatically.

Iterations 24

Iteration 1 - In Search of Lost Time \$34 5 Marcel Proust Yes New Paperback Yes 1

Iteration 2 - One Hundred Years of Solitude \$20 4.9 Gabriel Garcia Marquez Yes Used Paperback Yes 1

Iteration 3 - The Great Gatsby \$39 4.7 F. Scott Fitzgerald No New Kindle Yes 1

Iteration 4 - In Search of Lost Time \$34 5 Marcel Proust Yes New Paperback No 1

Iteration 5 - One Hundred Years of Solitude \$20 4.9 Gabriel Garcia Marquez Yes Used Paperback No 1

Iteration 6 - The Great Gatsby \$39 4.7 F. Scott Fitzgerald No New Kindle No 1

Iteration 7 - In Search of Lost Time \$34 5 Marcel Proust Yes New Paperback Yes 2

Iteration 8 - One Hundred Years of Solitude \$20 4.9 Gabriel Garcia Marquez Yes Used Paperback Yes 2

Iteration 9 - The Great Gatsby \$39 4.7 F. Scott Fitzgerald No New Kindle Yes 2

Iteration 10 - In Search of Lost Time \$34 5 Marcel Proust Yes New Paperback No 2

Iteration 11 - One Hundred Years of Solitude \$20 4.9 Gabriel Garcia Marquez Yes Used Paperback No 2

Iteration 12 - The Great Gatsby \$39 4.7 F. Scott Fitzgerald No New Kindle No 2

Iteration 13 - In Search of Lost Time \$34 5 Marcel Proust Yes New Paperback Yes 2

Dataset scopes

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 one used to generate the iterations, effectively overriding any dataset defined in higher levels:

Test Execution - Test (Test Run) > Test Plan - Test > Test (default)

The test dataset is the default. If there is the need to override or change this dataset you can do this at the planning or execution phases.

Dataset limits

- Maximum number of **#iterations** per dataset: **1000**
- Maximum Number of **#parameters** per dataset: **20**
- A dataset can not contain duplicate rows.

Parameterized preconditions

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

The parameters will be unfolded on the execution screen, just like Test cases. For this, the dataset must have the same parameters, matched by name.

Precondition Details

Manual

Steps

We must verify if item `${Item}` is in stock.

Execution

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 that, in turn, affects the overall test run status.

Test Details

MANUAL

Iterations 18

Iteration 1

In Search of Lost Time

\$34

5

Marcel Proust

Yes

New

Paperback

Yes

1

PASSED

Iteration 2

One Hundred Years of Solitude

\$20

4.9

Gabriel Garcia Marquez

Yes

Used

Paperback

Yes

1

PASSED

Iteration 3

The Great Gatsby

\$39

4.7

F. Scott Fitzgerald

No

New

Kindle

Yes

1

PASSED

Iteration 4

In Search of Lost Time

\$34

5

Marcel Proust

Yes

New

Paperback

No

1

PASSED

Iteration 5

One Hundred Years of Solitude

\$20

4.9

Gabriel Garcia Marquez

Yes

Used

Paperback

No

1

PASSED

Iteration 6

The Great Gatsby

\$39

4.7

F. Scott Fitzgerald

No

New

Kindle

No

1

PASSED

Iteration 7

In Search of Lost Time

\$34

5

Marcel Proust

Yes

New

Paperback

Yes

2

EXECUTING

Steps 12

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.

Actual Result

Comment

Defects

Evidence

Step State

PASSED

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.

Actual Result

Comment

Defects

Evidence

Step State

PASSED

3

Action

Attachments (1)

Press the Checkout button to start the checkout process.

Data

None

Expected Result

The checkout process is initiated asking the user the address details.

Please check the [Execution](#) page for more details.

Parameterized tests vs test environments

Although test environments can be thought of as a particular case of parameterized tests (given that environments can be considered parameters of test cases), datasets might not be the best choice for environmental variables that are not embedded in the test specification (e.g. manual test steps).

As such, it is not good practice to use datasets with environment variables such as *Browsers*, *OSs*, *Databases*, or *Devices*. This is because:

- Test engineers often configure a specific setup (or environment) to execute a set of tests. In this case, test engineers might want to execute the tests oriented to the environment and not the test case. This means they execute all the test cases first for one environment, and then for another one, and so on. This way, having all these environments within the same test run is not ideal as users would have to jump from one test run to the other without finishing the execution.
- Usually, test environments are independent variables or dimensions. For instance, let's consider the following test environment: *Browser*, *Databases*, and *OS*. If a test case fails only in a specific browser, once the bug is fixed, we might not want to re-execute the same test for all databases and OS's as we are confident that the change did not affect these variables. With datasets, if one iteration fails, you need to re-execute all the iterations again (if you use a different test run, of course).
- Xray does not provide reports based on parameters.

In conclusion, if your parameters are environment variables that do not need to be included in the test specification, don't use datasets. Use test environments instead.



Test environments improvements

We have plans to improve how test environments are managed in Xray. It will be possible to specify or generate combinations of environments for different variables.

Please check our [roadmap](#).

Defining a parameterized test

Manual Steps

1. Create or edit a given step using either the inline view within the test issue or the steps dialog.
2. When specifying a step, to reference a parameter you have two options:
 - a. Start typing `${}`. If there is a default dataset defined on the test, you should see a list of the available parameters. Choose the desired parameter using the cursor keys or mouse. The parameter will be placed with the text.
 - b. Use the toolbar button `${}`. After pressing this button, and if there is a default dataset defined on the test, you should see a list of the available parameters. Choose the desired parameter using the cursor keys or mouse. The parameter will be placed on the cursor position.

Test Details

Type: **Manual** Dataset

Manual Steps:

Steps dialog List

Import Export + Add Step

1

Action*

Style **B** **I** **U** **\${}**

Access the app under **\${}**

Username

Password

URL

Log in into the application with the `username` and `password`.

Expected Result

The `${Username}` is displayed on the app's top right corner.

Attachments (0)

Done Cancel

Generic or Unstructured definition

1. Edit the definition using the inline view within the test issue.
2. To reference a parameter, you have two options:
 - a. Start typing `${}`. If a default dataset is defined on the test, you should see a list of the available parameters. Choose the desired parameter using the cursor keys or mouse. The parameter will be placed with the text.
 - b. Use the toolbar button `${}`. After pressing this button, and if there is a default dataset defined on the test, you should see a list of the available parameters. Choose the desired parameter using the cursor keys or mouse. The parameter will be placed on the cursor position.

Test Details




Version: v1 **DEFAULT** ▾ ...

Type:

Generic

Dataset

Definition:

Style ▾ **B** *I* U A ▾ ^p ▾ 🔗 ▾ U ▾    ▾ + ▾ **\${** ▾ ^

Add **\${Item}** to the

Item

Books

Visual Text

✓ ✕

i To define parameters on unstructured tests, the Jira markup wiki language must be activated in the **Generic Test Definition** custom field. To enable the Rich Text Editor, you have to set the renderer of the definition custom field to Wiki Style Renderer.

Gherkin Scenarios

1. Create or edit a given step using either the inline view within the test issue or the steps dialog.
2. When specifying a Scenario, to reference a parameter you should start typing **<**. If there is a default dataset defined on the test, you should see a list of the available parameters. Choose the desired parameter using the cursor keys or mouse. The parameter will be placed with the text.

Test Details

Type:

Cucumber

Scenario:

```
1 Given I Start the <
2 Then Java
3 When Jira
4 Then The export should run normally and the report should have al
```

Creating a dataset

In order to create or edit the default dataset (within a test):

1. Press the **"Dataset"** button. This will open the dataset dialog. Here, you can define a dataset by creating parameters and adding values to them.
2. **Creating parameters:**

- 2.1. Press the **"Create parameter"** button located on the dataset main toolbar or on the empty view. This will open a small dialog to specify the parameter attributes.
- 2.2. Specify the name. Parameter names must start with a letter or underscore and can only contain letters, numbers, a space between words, "_", "-" and a max of 64 characters.
- 2.3. Check the **Combinatorial** checkbox if you are creating a combinatorial parameter.
- 2.4. Choose the parameter type: **Text or List**. If the parameter type is a List you can:
- a. create an **ad hoc** list just for this parameter. You need to specify the values for the list.

Create parameter

Name *

☒ Combinatorial

Type *

List

▼

Ad hoc list Project list

Options *

Add

⋮

Admin

×

Create

Cancel

- b. use a project **predefined list**.

Create parameter

Name *

Role

☒ Combinatorial

Type *

List ▼

Ad hoc list [Project list](#)

Roles ✕ ▼

Options

Admin

System Admin

Project Admin

User

Developer

Guest

[Create](#) [Cancel](#)

2.5. Press **"Save"** to create the parameter. The parameter must be placed on the dataset.

Dataset for Test BOOK-138

[Create parameter](#) [Impc](#)

▼ Combinatorial parameters

Role ...

Select... ▼ ✓ ✕

[Save](#)

3. Adding combinatorial parameter values:

Once you have at least one parameter, you can start filling their values and adding new iterations.

A placeholder is provided within each combinatorial parameter. In order to add new values to combinatorial parameters:

3.1. For **text** parameters, just type the value and press the **check** button next to the field.

Combinatorial parameters

Role

Project Admin

check

✕

3.2. For **list** parameters, select an option and press the **check** button next to the field.

Combinatorial parameters

Role

Developer

Admin

check

✕

4. Adding rows (filling the parameter values):

4.1. Once you have non-combinatorial parameters, an empty placeholder row will appear so that the parameters can be populated for the default iteration.

Editing parameter values is as simple as editing their corresponding cells. The values will be kept when the cell loses focus.

You can navigate between cells of the same row and also between rows using the keyboard: TAB (forward), SHIFT+TAB (backward).

#	Role	User	Email	Password
1	Admin	admin	admin@getxray.com	123123
2	User	john.doe	john.doe@getxray.com	XXXX

New +

4.2. To create new rows, you can press the **"New"** button below the table or navigate using the keyboard from the last row (a new row will be created automatically by navigating forward on the last cell of the last row).

i There are a total of 3 iterations to execute.

#	Role	User	Email	Password
1	Admin	admin	admin@getxray.com	123123
2	User	john.doe	john.doe@getxray.com	XXXX
3	None	None	None	None


New +




5. Converting a seeding parameter to a combinatorial parameter:

It is possible to convert an existing parameter to a combinatorial parameter. This will remove the parameter column from the seeding parameters table and group all remaining rows automatically. A new combinatorial parameter will be created by grouping all the values.

5.1. Next to each column, there is an options button. Clicking this button will reveal a menu with options for *Editing*, *Deleting*, and *Converting* parameters.

 There are a total of 2 iterations to execute.

#	Role	...	User	...	Email	...	Password	...
1	Admin						getxray.com	123123
2	User						@getxray.com	XXXX
New 								

 Convert to combinatorial parameter
 Edit
 Delete

5.2. Click on **"Convert to combinatorial parameter."**

 There are a total of 4 iterations to execute.

Combinatorial parameters


Role


Admin


User


Select...


...









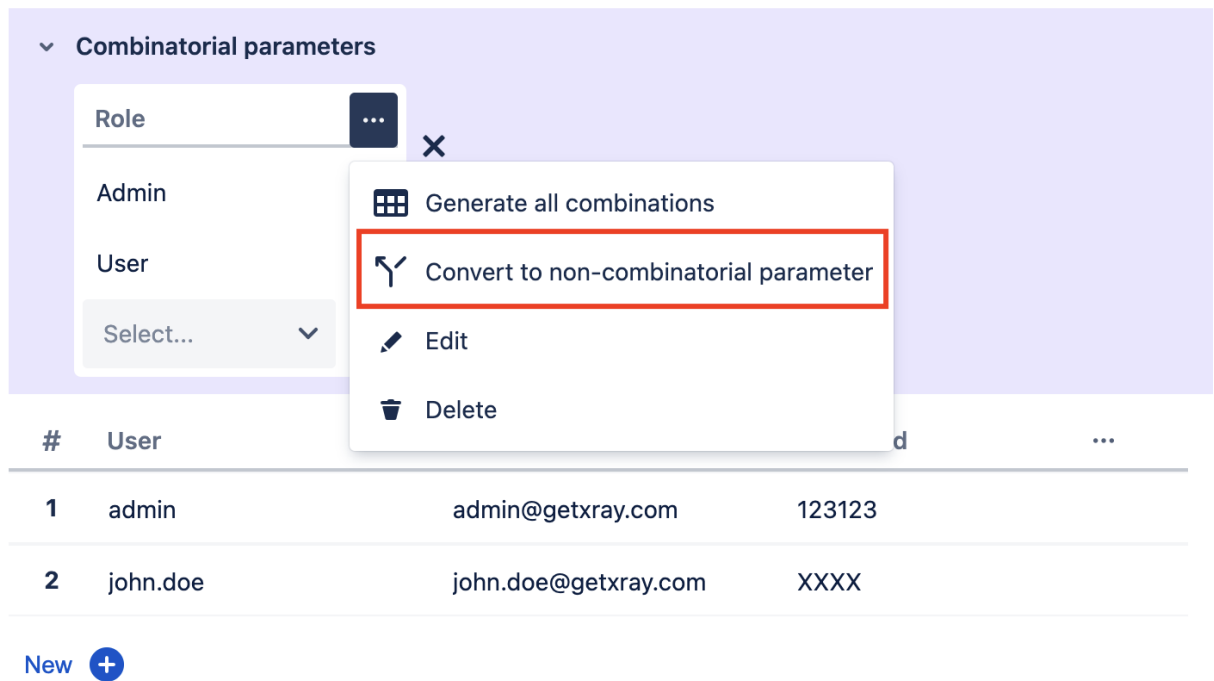
#	User	...	Email	...	Password	...
1	admin		admin@getxray.com		123123	
2	john.doe		john.doe@getxray.com		XXXX	
New 						

6. Converting a combinatorial parameter to a seeding parameter:

It is also possible to convert a combinatorial parameter back into a seeding parameter.

6.1. Next to each combinatorial column, there is an options button. Clicking this button will reveal a menu with options for *Editing*, *Deleting*, and *Converting* parameters.

 There are a total of 4 iterations to execute.



▼ **Combinatorial parameters**

Role ... X

Admin

User

Select... ▼

Generate all combinations

Convert to non-combinatorial parameter

Edit

Delete

#	User	Email	Password
1	admin	admin@getxray.com	123123
2	john.doe	john.doe@getxray.com	XXXX

New +

6.2. Click on the "**Convert to non-combinatorial parameter**".

7. Generating all combinations:

You don't need to generate all the combinations for a given dataset in order to execute all iterations. Xray will do this automatically for all of the combinatorial parameters. However, sometimes we don't need all the combinations. In order to do this, we can generate all combinations and remove some iterations afterward.

7.1. Next to each combinatorial column, there is an **options** button. Clicking this button will reveal a menu with options for *Editing*, *Deleting*, *Converting* parameters, and *Generating all combinations*.

 There are a total of 4 iterations to execute.

Combinatorial parameters

Role

Admin

User

Select...

Generate all combinations

Convert to non-combinatorial parameter

Edit

Delete

#	User		
1	admin	admin@getxray.com	123123
2	john.doe	john.doe@getxray.com	XXXX

New +

7.2. Click on the **"Generate all combinations."** A confirmation dialog will appear. Confirming the changes will apply the cartesian product between the combinational parameter values and the seeding parameter rows.

 There are a total of 4 iterations to execute.

#	User	Email	Password	Role
1	admin	admin@getxray.com	123123	Admin
2	john.doe	john.doe@getxray.com	XXXX	Admin
3	admin	admin@getxray.com	123123	User
4	john.doe	john.doe@getxray.com	XXXX	User

New +

8. Move left/right:

You can re-order any parameters in your dataset, by selecting the "Move left/right" option.

8.1. Open the options menu in either a Combinatorial or non-combinatorial (seeding) parameter, you will have a "Move left/right" option available. Notice that if the parameter is already place on the most outer left (right) position, the "Move left" (right) option is not available.

 There are a total of 4 iteration(s) to execute.


Combinatorial Parameters

Role

Admin

User

#	User	Email	Password
1	admin	admin@getxray.app	
2	john.doe	john.doe@getxray.app	

New 

Convert to combinatorial parameter

Move left

Move right

Edit

Delete

8.2. Select the move left/right option, This will swap the positions of the parameters.

 There are a total of 4 iteration(s) to execute.


Combinatorial Parameters

Role

Admin

User

#	User	Password	Email
1	admin	123	admin@getxray.app
2	john.doe	abcd	john.doe@getxray.app

New 

9. After having performed all changes in the dataset, you need to press the **"Save"** button in order to persist the dataset into the database.

Importing a dataset from a CSV file

Besides defining a dataset by creating parameters and setting their values directly using the Xray UI, it is also possible to import an existing dataset from a CSV file.

In order to import a CSV file:

1. Open the dataset dialog.
2. Choose the **"Import from CSV"** option available on the Import dropdown button (located on the empty state view or on the dataset main button toolbar). A dialog will appear.
3. Select and fill the following options:
 - **File** - find a local CSV file with the desired dataset
 - **CSV delimiter** - defaults to ",", but you can choose any other character
 - **File encoding** - defaults to UTF-8
 - **Overwrite existing parameter values** - if checked, this option will delete any values from existing parameters
 - **Create new parameters** - If checked, it will create non-existing parameters automatically, based on the CSV column name. Otherwise, it will just append/update the values on the existing parameters.

Import from CSV

No file selected.

CSV Delimiter *

,

File Encoding *

UTF-8

☐ Delete dataset rows and overwrite the existing values of matching parameters

☒ Create new parameters

4. Press **"Import"** to import the external dataset.



Combinational parameters

You can also import combinational parameters. Any parameter with an **asterisk suffix** will be considered a combinational parameter. E.g., Quality*. In this case, the "Create new parameters" option must be enabled.

Exporting a dataset to a CSV file

To export a dataset to a CSV file:

1. Open the Dataset dialog.
2. Click the **options** button next to the import button. Clicking this button will reveal a menu with options for *Export to CSV* and Delete.

Dataset for Test "BOOK-3" in Test Exec "BOOK-4"

There are a total of 4 iteration(s) to execute.

Add parameter

Import

Export to CSV

Delete

Combinatorial Parameters

Role

Admin

User

#	User	Email	Password
1	admin	admin@getxray.app	123
2	john.doe	john.doe@getxray.app	abcd

New

Save

Cancel

3. Click the **Export to CSV**. A file should be downloaded.

Export CSV

The delimiter used to generate the CSV file is a **comma**.

The combinatorial parameters will be exported with an **asterisk** as a suffix.

Overriding a dataset in a test plan or test execution

To define or override a dataset at the test plan or test execution level:

1. Navigate to the desired test plan or test execution issue
2. A menu action is provided on each test row. A new **column** named "Dataset" is also available by configuring the column layout for the Test Plan or Test Execution datatable. If there is a dataset already defined at this level, the dataset button will be displayed with a *selected* style.

2.1. Open the dataset dialog by pressing the **"Dataset"** button in the column or

2.2. Open the dataset dialog by selecting the **"Dataset"** action from the test row options menu.

Tests

+ Add

Overall Execution Status

2 PASS 1 FAIL 1 EXECUTING 6 TODO

Total Tests: 10

Filter(s)

Apply Rank

Show 10 entries Columns

Rank	Key	Summary	Test Type	#Req	#Def	Test Sets	Assignee	Dataset	Status	
10	SEARCH2-1730	Test manual - v2 persius quod docendi adhuc quo mel	Manual	1	0	SEARCH2-1836			TODO	
9	SEARCH2-1732	Test manual - v2 dolorum gravida penatibus eget nisi eget voluptatibus	Manual	1	0	SEARCH2-1836			TODO	
8	SEARCH2-1734	Test manual - v2 penatibus mutat ignota tortor honestatis	Manual	1	0	SEARCH2-1836			TODO	
7	SEARCH2-1736	Test manual - v2 prodesset dapibus deseruisse saperet bibendum natum ei	Manual	1	0	SEARCH2-1836			TODO	
6	SEARCH2-1738	Test manual - v2 conceptam constituto brute alienum proin inciderint invidunt	Manual	1	0	SEARCH2-1836			TODO	
5	SEARCH2-1740	Test manual - v2 cum mandamus diam discere aperiri class evertitur	Manual	1	0	SEARCH2-1836			TODO	
4	SEARCH2-1742	Test manual - v2 harum tale regione aenean eirmod facilis	Manual	1	0	SEARCH2-1836			EXECUTING	
3	SEARCH2-1744	Test manual - v2 dis nobis nonumes nec luptatum falli	Manual	1	0	SEARCH2-1836			FAIL	
2	SEARCH2-1746	Test manual - v2 tempus vidisse wisi causae esse	Manual	1	0	SEARCH2-1836			PASS	
1	SEARCH2-1748	Test manual - v2 iaculis ligula ei regione nulla utroque	Manual	1	0	SEARCH2-1836			PASS	

Showing 1 to 10 of 10 entries

First Previous 1 Next Last

3. The dataset dialog is opened.

3.1. If there is a dataset defined on a parent level, it is possible to Override the parent dataset and modify its values.

Dataset for Test BOOK-138 in Test Execution BOOK-230

No dataset is defined in this context.
This is the resolved dataset, defined in Test Plan > Test. In order to change the dataset click on override.

Override · Create new

Combinatorial parameters

Gift × Quantity ×

Yes 3453

No

#	Item	Price	Rating	Author	In stock	Condition	Format
1	jh	gkjhg	jkhg	khg	None	New	Paperback
2	dfghfg	fgh	dfdfh	dfghd	No	Used	Kindle

3.2. Otherwise, you can start defining a new dataset at this level.

4. Once the dataset is defined (or overridden) you need to press "Save" to persist the changes to the database.

