# Integration with Structure



Xray offers integration with Structure, enabling the ability to manage Test Sets, Test Executions and Test Plans.

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## Features and Limitations

The current integration allows you to:

- · see the Tests associated with a Test Set, Test Execution, Test Plan or Pre-conditions in the Structure tree
- ٠ add/remove Tests to Test Sets, Test Executions or Test Plans by dragging Tests or Test Sets to other Test Sets, Test Executions Test Plans or Pre-conditions
- manage Test Executions underneath the related Test Plans
- see and manage the association between Tests and requirements (supported indirectly by Structure)
- see Sub-Test Executions below the requirement issues (supported indirectly by Structure).

It's not possible to:

- associate Tests contained in folders to Test Sets, Test Executions and Test Plans
- manage folders inside Test Sets, Test Executions, Test Plans.

#### Using Structure vs Test Repository/Test Plan Board

Since Xray v3.0, you can use the Test Repository to organize Tests hierarchically in folders at the project level; you may also organize Tests, in an independent way, at Test Plan level, for each Test Plan.

The question arises: which approach should you use? Organize entities using Structure add-on or using Xray built-in capabilities?

Let's see the different and summarize the characteristics of each approach, focused on the related entities.

Pros	<ul> <li>can manage different entities (e.g. stories, Tests, Test Executions, etc)</li> <li>can be used to have an high-level visual overview, specially for teams not used to Jira, starting at the version, then seeing all entities associated to, organized in some way</li> <li>not bound to a specific project, thus each "structure" can have issues from different projects</li> <li>can be used alternatively or complementarily to Test Sets</li> <li>can manage entities from several projects in the same structure (this can be a pro/con, depending on the perspective)</li> <li>can have the same issue multiple times within a given structure (this can be a pro/con, depending on the perspective)</li> <li>can be used complimentarily with Test Plan Board (i.e. manage the project/version related entities in a structure and manage the organization of the Test Runs inside each Test Plan Board)</li> </ul>	<ul> <li>focused just on organizing Test cases of each project</li> <li>not bound to execution aspects</li> <li>used as means to create or add Tests to existing entities (e.g. create Test Executions, create Test Plans)</li> <li>can't have the same issue multiple times within the Test Repository (this can be a pro /con, depending on the perspective; we see it as an advantage, since it simplifies its management)</li> </ul>	<ul> <li>focused on organizing the Test cases of each Test Plan</li> <li>gives the ability to track down the results on a per folder basis, within the Board</li> <li>easily rank Tests visually and take that ranking into account for new scheduled Test Executions</li> <li>gives the ability to analyze the results per Test Environment</li> <li>can contain Tests from several projects</li> <li>can't have the same issue multiple times within the Board (this can be a pro/con, depending on the perspective; we see it as an advantage, since it simplifies its management)</li> </ul>
Cons	<ul> <li>can't create folders within Xray entities (e.g. you can just see/manage the Tests associated with a Test Execution)</li> <li>independent organization, i.e. does not integrate neither with the Test Repository nor the Test Plan Board concepts and their organizations</li> <li>unable to evaluate results for certain Test Environments</li> <li>unable to see/manage Test Runs nor execute them immediately</li> <li>unable to easily create other entities (e.g. Test Executions) for the Tests within some folder</li> </ul>	<ul> <li>does not provide an high-level overview of the project or a project version and all the related entities associated with that version</li> <li>unable to manage entities from several projects in the same Test Repository (this can be a pro/con, depending on the perspective)</li> </ul>	<ul> <li>does not provide an high-level overview of the project or a project version and all the related things</li> </ul>

# Installation

In order to obtain the new extenders that Xray provides, you need to:

- Install Structure plugin version 3.4.x or above;
   Install Xray version 2.1 or above.

Note: If you already had Xray before you installed Structure, you need to restart your Jira server.

For more information about the Structure plugin, refer to its documentation here.

Adding Xray Extender to the Structure:

1. Set your structure to Automation



2. Choose the correct extender

🖸 Add 🕞 🍾 🦎 🔹 🏫 🎲 <> 🖉 🗞 🖓 🌇 🛪 Automat	tion +
	🖷 Insert
≔ For Review -	
	i≞ Sort
Key Summary	品 Group
	𝔗 Extend
■ Add ▼ 5 * * ▼ ↑ ↓ ← → Ø 8 4 1 × ★ Automation	Section 2 Extend with
≡ For Review -	Search
E FOI Review *	Linked Issues
Key Summary	Stories under Epics
·禮 For Review	Sub-tasks
	Xray Extender

3. Choose the options to enable, including Xray specific actions, and click "Apply" on the dialog

Xray Extende	r
Runs A	As Administrator
Runs F	AS Administrator
Xray Action	ns 🗌 Manage Test Executions under Test Plans
	<ul> <li>Synchronize Tests between Test Execution and related Test Plan(s)</li> </ul>
	Manage Tests under Test Plans
Extend Leve	All levels up to 10
	Extender does not consider groups on the current level and all nested levels.
	Allow changes via Structure
	Apply Cancel
ou should see a new entry in t	he structure, similar to this one:
alculator demo str	ructure -
Key S	ummary
<u></u> 港	≣ Calculator demo structure
	𝗞 Add issues linked by Tests: parent tests or tested by children
	✤ Add sub-tasks: Sub Test Execution
•	Finabled Xray enhancements for managing Tests in Test Sets, Test Executions and Test Plans

# Settings

Whenever adding the Xray Extender or whenever editing an already existing one (by double clicking on it), you may have several Xray Actions that are in fact options that you can enable:

- · Manage Test Executions under Test Plans: allows you to see related Test Executions underneath Test Plans, at first level, and manage their association by adding/removing Test Executions to/from the Test Plan
- Synchronize Tests between Test Execution and related Test Plan(s): whenever adding Tests from Test Executions, it will automatically add Tests to the related Test Plans; on the other hand, whenever removing Tests from Test Executions, if those Tests are not part of other Test Executions linked to the same Test Plan(s) (i.e. if the Tests are not "already being used"), they will be removed from the Test Plan(s)
- Manage Tests under Test Plans: allows you to see related Tests underneath Test Plans, at first level, and manage their association by adding /removing Tests to/from the Test Plan

# Recommended Setups

The way you use Structure will vary depending on your team needs.

Within this section you may see some possible setup scenarios.

#### Scenario 1

The following example focus on these needs:

- quickly showing, on a per version, the planned testing (i.e. Test Plans and related Test Executions)
- track the overall progress of Test Plans and Test Executions and also the coverage status of "requirements"
- on each "requirement" ...
  - ° see Tests directly covering it
    - track related Sub-Test Executions

🖷 Xray samp	∺≣ Xray sample structure -						
Key	Summary	Progress	ТР	Test Plan Status	Test Execution Status	Requirement Sta	
*	ी≣ Xray sample structure	-	-				
	% Add issues linked by Tests: parent tests or tested by children						
	% Add sub-tasks: Sub Test Execution						
	Enabled Xray enhancements for managing Tests in Test Sets, Test Executions and	Test P					
	B Group by Fix Version/s						
CALC-1	082   As a user, I can calculate the sum of 2 numbers		◎ ጵ			v3.0 - NOK	
CALC-1	088 v 🔽 all my relevant tests		<b>F</b> ×				
CALC-1	189						
CALC-1	191						

Setup Automation as follows:

# Image: Strage Structure →

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III Issue Details

Кеу	Summary
*	Tray sample structure
	% Add issues linked by <b>Tests</b> : parent <b>tests or tested by</b> children
	✤ Add sub-tasks: Sub Test Execution
•	Enabled Xray enhancements for managing Tests in Test Sets, Test Exe
	品 Group by <b>Fix Version/s</b>
	✓ ♥ v3.0 - New features
CALC-1082	As a user, I can calculate the sum of 2 numbers
CALC-1088	✓ I all my relevant tests
CALC-1089	Test Execution for Test Plan CALC-1088
CALC-1091	Test Execution for Test Plan CALC-1088
	✓ □ No fix version
CALC-1087	arithmetic operations

Setup Xray Extender settings:

- Manage Test Executions under Test Plans: enabled
- Synchronize Tests between Test Execution and related Test Plan(s): enabled
- Manage Tests under Test Plans: disabled

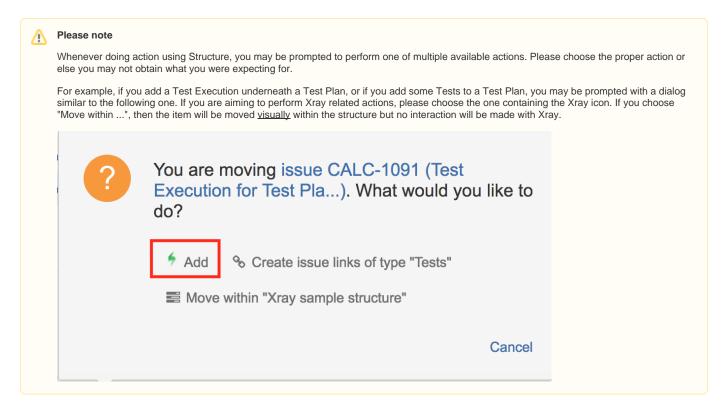
## Actions

Xray provides specific actions that will interact and integrate with changes made on Structure. These actions must be invoked explicitly.

### Note

When moving a Test to different issue types, the Test will not be removed from source issue.

Example: When moving Test A from Test Set B into Test Execution C, the Test will be added to Test Execution C, but not removed from Test Set B.



## **Pre-Condition**

With the Extender added, you can now do the following actions:

- Manage Tests of the Pre-Condition:
  - Drag a Pre-Condition to a structure and have its associated Tests dynamically appear;

≔ Xray sample structure - Pre-Condition -			7 Q	III Basic vi	iew <sup>*</sup> •
	Key	Summary	Progres	s TP	
	*	── Xray sample structure - Pre-Condition		-	
		Enabled Xray enhancements for managing Tests in Test Sets, Test Execution	В		
•	CALC-2922	✓ S calculator turned on			•••
	CALC-2802	O Manual Test As a user, I can calculate the sum of two numbers	_	0 🛠	

Drag a Test to a Pre-Condition and have it automatically associated to the Pre-Condition. When you drag a Test to a Pre-Condition, a
message will appear as displayed in the image below. You should **always** choose the Xray "Add" action since it's the option that will use
the Xray Extender;

		Add Start Star		Cancel	
C Ad	id 💌 🔨	*         *         ↓         ≮         >         ∅         №	★ Automation +	Added T	ests with key CALC-2938
≔ Xr	ay sample str	ucture - Pre-Condition -	∽ 😂 ⊽ © III Basic view 🕶	in JQL → project =	>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>
	Key	Summary	Progress TP	Key Summ	mary Progra TP
)	*	響 Xray sample structure - Pre-Condition		1 item selected 🔸 🗸	♠ I Bulk Edit
		Enabled Xray enhancements for managing Tests in Test Sets, Test	Executions	CALC-29	Test As a user. I can
	CALC-2922				
ii •	CALC-2802	Manual Test As a user, I can calculate the sum of two number	rs 💿 🗙 🚥		cucumber test
	CALC-2938	<ul> <li>Test As a user, I can calculate the sum of two numbers</li> </ul>	••••••••		c      c
				GALG-25	🖸 cucumber test

 Drag a Test Set to a Pre-Condition and have all the Tests in the Test Set automatically associated to the Pre-Condition. You will get the same message as above; Remove a Test from a Pre-Condition and have the association automatically removed from the Pre-Condition. When you click on the X a
nd you have a Test selected, the Test will be removed from the Pre-Condition;

#### **Test Set**

With the Extender added, you can now do the following actions:

• Drag a Test Set to a structure and have its Tests dynamically appear.

🔚 Xray sample structure - Test Set -

Key	Summary	Progress	ТР
*	∺≣ Xray sample structure - Test Set		
	Enabled Xray enhancements for managing Tests in Test Sets, Test Executions and Test F		
CALC-1087	<ul> <li>arithmetic operations</li> </ul>		S 🛠
CALC-1084	• Generic Test As a user, I can calculate the sum of 2 numbers		0 🛠
CALC-1085	O Cucumber Test As a user, I can calculate the sum of 2 numbers		0 🛠
CALC-1083	O Manual Test As a user, I can calculate the sum of 2 numbers		0 🛠

Drag a Test to a Test Set and have it automatically associated to the Test Set.
 When you drag a Test to a Test Set, a message will appear. You should **always** choose the "Add" Xray action since it's the option that will use the Xray Extender.

?		adding issue CALC-2938 (Test As a an calcu). What would you like to do?
	🗲 Add	■ Add to "Xray sample structure - Tes"
		Cancel

• Drag a Test Set to a Test Set and have all the Tests in the Test Set automatically associated to the other Test Set. When you drag a Test Set to another Test Set, a message will appear. You should **always** choose the "Add" Xray action since it's the option that will use the Xray Extender.

Xray sample str	ucture - Test Set -		☆ 😂	ମ ୍ ସ III Basic ।	/iew <sup>*</sup> <del>-</del>	⊴Q JQL ▼ © <u>issuet</u>	ype = © ☆ ⊗ `	7
Key	Summary F	Progress	TP	Test Set Status	0	Key S	ummary	Р
*	·启 Xray sample structure - Test Set					<ul> <li>CALC-292</li> </ul>	arithmetic operations	s
	Enabled Xray enhancements for managing Test					CALC-28	arithmetic operations	s
CALC-1087	<ul> <li>arithmetic operations</li> </ul>		S 🛠			CALC-27	tset	
CALC-2920	<ul> <li>arithmetic operations</li> </ul>		• •			CALC-27	arithmetic operations	s
CALC-1084	<ul> <li>Generic Test As a user, I can calculate the</li> </ul>		0 🗙			CALC-277	s to version	
CALC-1085	O Cucumber Test As a user, I can calculate the		0 🛠			CALC-277	dummy testsety	
CALC-1083	O Manual Test As a user, I can calculate the		0 🛠			CALC-274	arithmetic operations	s I
						CALC-27	arithmetic operations	s I
						CALC-26	arithmetic related op	00
						CALC-26	ts2	
	You are adding issue CALC-2920 (arithme	etic				CALC-25	S Issue created from s	c i
	operations). What would you like to do?					CALC-25	arithmetic related tes	81
	Add      S Add to "Xray sample structure - Tes"					CALC-252	S Issue created from s	ic I
	- rea to Aray asimple autours - rea					CALC-252	S Issue created from s	ic I
		Cancel				CALC-25	Issue created from s	

- Remove a Test from a Test Set and have the association automatically removed from the Test Set.
- When you click on the X and you have a Test selected, the Test will be removed from the Test Set. If you remove multiple Tests, an additional message may be shown that you should accept.

C Ad	d 🛛 💌	y <sup>y</sup> <sub>k</sub> ▼ <sup>(</sup> <sup>(</sup> ) <sup>(</sup> <sup>(</sup> ) <sup>()</sup>	4 B ×	🧯 Autor	nation +	
≔ Xra	ay sample	structure - Test Set -		tove selected it to issues or ot $\mathcal{N} \otimes$	tems and their sub-items her Jira items) ア ベ Ⅲ Basid	
	Key	Summary	Progress	TP	Test Set Status	0
1 item s	elected	▶ ↑ Bulk Edit ⊽ Filter				×
<u></u> *	ŀ	🖷 Xray sample structure - Test Set	_			
		Enabled Xray enhancements for managing 1	Test			
	CALC-108	7  -  arithmetic operations		≤ ≈		
	CALC-108	4 O Generic Test As a user, I can calculate	the	0 🕿		•••
	CALC-108	5 O Cucumber Test As a user, I can calcula	te t	0 🛠		
	CALC-108	3 O Manual Test As a user, I can calculate t	the S	0 🛠		
•	CALC-293	8 O Test As a user, I can calculate the sum	of ty	0 🕿		
		A Shara	Export -	ſ		
		- Shara				
		You have <b>removed an ite</b> r	n from th	•		
	•		n nom u	e		
		structure.				
		Undo Remove				
	Key	Summary	Progre	TP	Test	
em se	1	Removed Tests with key C	ALC-2938	3		×
		,				
				-	6	
	CAL	Test As a user, I can	n	0		

## **Test Execution**

With the Extender added, you can now do the following actions:

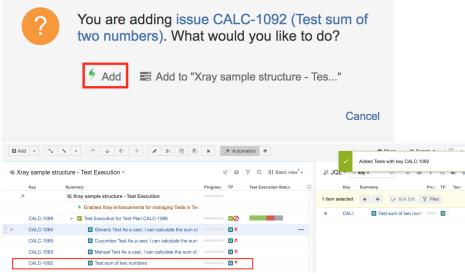
- Manage Tests of the Test Execution:

	Key	Summary	Progress	тр	Test Execution Status	6
	*	:后 Xray sample structure - Test Execution				
		Enabled Xray enhancements for managing Tests in Termination	st			
•	CALC-1089	Test Execution for Test Plan CALC-1088				•••
	CALC-1084	<ul> <li>Generic Test As a user, I can calculate the sum of</li> </ul>	f2	0 🛠		
	CALC-1085	O Cucumber Test As a user, I can calculate the sum		0 🛠		
	CALC-1083	Manual Test As a user, I can calculate the sum of	2	0 🛠		

 $^\circ~$  Drag a Test to a Test Execution and have it automatically associated to the Test Execution.

When you drag a Test to a Test Execution, a message will appear. You should always choose the Xray "Add" action since it's the option

that will use the Xray Extender;



- Drag a Test Set to a Test Execution and have all the Tests in the Test Set automatically associated to the other Test Execution. You will get the same message as above;
- Remove a Test from a Test Execution and have the association automatically removed from the Test Execution. When you click on the X and you have a Test selected, the Test will be removed from the Test Execution.
- Indirectly manage the Tests of the related Test Plans (you must enable a a specific option in the Extender of this):
  - Drag a Test/Test Set to a Test Execution and have the Test, or related Tests, automatically associated to all Test Plans linked to that Test Execution;
  - Remove a Test from a Test Execution and have the association automatically removed also from the Test Plan, if that Test is not part of any other Test Execution linked to the same Test Plan.

### **Sub-Test Execution**

You may perform similar actions to the Test Execution. Please see above.

#### **Test Plan**

With the Extender added, you can now do the following actions:

- Manage Tests of the Test Plan:
  - Drag a Test Plan to a structure and have its Tests dynamically appear;

≔ Xray sample structure - Test Plan ∽					$\mathbb{Y}$		view <sup>*</sup> <del>•</del>
Key	Summary		Progress	ТР		Test Plan Status	
*	📲 Xray sa	Imple structure - Test Plan					
	🗧 Er	abled Xray enhancements for managing	Tests in Test Set				
• CAL	C-1088 🛛 👻 🗾 all	my relevant tests			*		•••
CAL	C-1084	Generic Test As a user, I can calculat	e the sum of 2 nu	0	*		
CAL	C-1085	O Cucumber Test As a user, I can calcu	late the sum of 2	0	\$		
CAL	C-1083	Manual Test As a user, I can calculate	e the sum of 2 nur	0	*		
CAL	C-1089	Test Execution for Test Plan CALC-10	088		0		

<sup>o</sup> Drag a Test to a Test Plan and have it automatically associated to the Test Plan. When you drag a Test to a Test Plan, a message will appear. You should always choose the Xray "Add" action since it's the option that will use the Xray Extender;

		✓ Add	(ray samp	ole structure - T	ēs"	
					Cancel	
Ad	u					Sharo (* Export = 00
		× • ↑ ↓ ← → / × @ €	x	mation + ∇ ©     Basic view*-		with key CALC-1092
	ay sample stru	cture - Test Plan *	\$ €		✓ Added Tests ≗ JQL - ⊂ кеу =	with key CALC-1092
	ay sample stru <sub>Key</sub>				✓ Added Tests ₽ JQL ✓ <del>Скеу =</del> Key Summary	with key CALC-1092
≂ Xra	ay sample stru <sub>Key</sub>	cture - Test Plan *	\$2 € Progress TP		✓ Added Tests     ✓ Added Tests     ✓ Key =     ✓ Key Summary     1 item selected	with key CALC-1092
≂ Xra	ay sample stru <sub>Key</sub>	cture - Test Plan + Summary ≝ Xray sample structure - Test Plan	\$2 € Progress TP		Added Tests     Q     Q     C     Key Summary     I item selected	with key CALC-1092
≂ Xra	ay sample stru Key	cture - Test Plan - Summary ™ Xray sample structure - Test Plan 4 Enabled Xray enhancements for managing Tests in Ter			✓ Added Tests     ✓ Added Tests     ✓ Key =     ✓ Key Summary     1 item selected	with key CALC-1092
≂ Xra	ay sample stru Key * CALC-1088	cture - Test Plan - Summary Xray sample structure - Test Plan 4 Enabled Xray enhancements for managing Tests in Ter 2 all my relevant tests		♥     Q.       . Basic view* •       Test Execution Status     □	✓ Added Tests     ✓ Added Tests     ✓ Key =     ✓ Key Summary     1 item selected	with key CALC-1092
≂ Xra	A sample struk Key CALC-1088 CALC-1084	cture - Test Plan - Summary Xray sample structure - Test Plan 4 Enabled Xray enhancements for managing Tests in Te: 2 all my relevant tests 2 Generic Test As a user, I can calculate the sum of		♥     Q.       . Basic view* •       Test Execution Status     □	✓ Added Tests     ✓ Added Tests     ✓ Key =     ✓ Key Summary     1 item selected	with key CALC-1092
≂ Xra	Key	Cture - Test Plan - Summary E Xray sample structure - Test Plan + Enabled Xray enhancements for managing Tests in Ter C all my relevant tests Generic Test As a user, I can calculate the sum of Cucumber Test As a user, I can calculate the sum		♥     Q.       . Basic view* •       Test Execution Status     □	✓ Added Tests     ✓ Added Tests     ✓ Key =     ✓ Key Summary     1 item selected	with key CALC-1092

- o Drag a Test Set to a Test Plan and have all the Tests in the Test Set automatically associated to the other Test Plan. You will get the same message as above;
- Remove a Test from a Test Plan and have the association automatically removed from the Test Plan. When you click on the X and you Manage the Test Executions under the Test will be removed from the Test Plan.
   Manage the Test Executions under the Test Plan (you need to enable a specific option in the Extender for this):

   Drag a Test Execution to a Test Plan and have it automatically associated to the Test Plan;
  - - ° Remove a Test Execution from a Test Plan and have the association automatically removed from the Test Plan.

## Other features

#### Association between Tests and requirements

Since the association between Tests and requirements is done using the "Tests" link, you can take advantage of the built-in Structure extender for dealing with linked issues and therefore, manage this association.

For this, you must have "Automation" enabled. Choose "Extend with..." and then "Linked issues...".

×	* Automation	Sextend with
		Search
		Linked Issues
		Stories under Epics
		Sub-tasks
		— Xray Extender

Then, choose the "Tests" link type.

Extend with Linked Issues					
Runs As	Administrator				
Link Type	Tests				
Link Direction	parent issue tests ᅌ sub-issue				
Extend Levels	All levels up to 10				
	Extender does not consider groups on the current level and all nested levels.				
	Allow changes via Structure				
	Apply Cancel				

As soon as you do this, you're able to see the association between Tests and requirements, as shown below. You can see the story being validated by the manual Test.

•		Solution Add issues linked by <b>Tests</b> : parent <b>tests</b> children
	CALC-1088	all my relevant tests
	CALC-1089	Test Execution for Test Plan CALC-1088
	CALC-1084	Generic Test As a user, I can calculate the sum of
	CALC-1085	Cucumber Test As a user, I can calculate the sum
	CALC-1083	Manual Test As a user, I can calculate the sum of
	CALC-1082	As a user, I can calculate the sum of 2 numb
	CALC-1051	Generic Test As a user, I can calculate the sum of

You can also link your Test with other requirements just by dragging them under the Test and choose the action that will create the proper issue link between the Test and the requirement.

CALC-1083	<ul> <li>Manual Test As a user, I can ca</li> </ul>	0 ጵ			CALC-1160	lest Execution for lest Plan CALC-1	
 CALC-1163	As a user, I can calculate	○ 🛠	¢ -	1	CALC-1155	calculator must be turned on	 🙆 🛠
CALC-1082	As a user, I can calculate	○ ☆		1	CALC-1154	O Manual Test As a user, I can calculate	 ◎ 🛠
CALC-1				CALC-1164	• example 1	 0 🛠	
CALC-1(	You are adding issue CALC-1163 (As a user,				CALC-1163	As a user, I can calculate the sum of	○ 🛠
CALC-1(	can calculate). What would you like to do?			_	CALC-1162	Test Execution for Test Plan CALC-1	
CALC-1	& Create issue links of type "Tests"				CALC-1092	• Test sum of two numbers	 0 个
CALC-1				CALC-1159	all my relevant tests	 <b>F A</b>	
	Cance		el		CALC-1042	all my arithmetic operations	 ≤ ∧
 CALC-1(							

If you want, you can also manage the association from the opposite end, by looking from the requirement's perspective.

This will allow you to see and manage the Tests that validate a given requirement.

For this, you just need to create an extender for the "Tested by" link type.

#### Association between Sub-Test Executions and requirements

Sub-Test Executions are created as sub-tasks for requirement issues. You can take advantage of the built-in Structure extender for dealing with sub-tasks and therefore, see this association.

For this, you must have "Automation" enabled. Choose "Extend with..." and then "Sub-tasks...", and then the Sub-Test Execution issue type.

Extend with Sub-tasks					
	<ul> <li>Administrator</li> <li>All available sub-task types</li> </ul>				
Extend Levels	Sub Test Execution × All levels up to 10				
	Extender does not consider groups on the current level and all nested levels.  Allow changes via Structure				
	Apply Cancel				

Afterwards, you're able to see all the Sub-Test Executions created in the context of a requirement issue that is part of the structure.

		& Add sub-tasks: Sub Test Execution		
•	CALC-1082	<ul> <li>As a user, I can calculate the sum of 2 numbers</li> </ul>	0 🛠	¢ -
	CALC-1200	Sub Test Execution for CALC-1082		

#### Show requirement and test statuses

You can include information about the status of your "requirements" and its current state, along with the latest status for the corresponding Tests, in the issues being shown in the structure.

For this, you need to add the "Requirement Status" and the "TestRunStatus" columns, which correspond to the "Requirement Status" custom field of requirements and the "TestRunStatus" custom field that is available for Test issues, respectively.

Please make sure that those custom fields are configured in Xray (under "Custom Field Preferences" admin settings) to show the respective information in the same way (i.e., for the same version). Refer to this configuration page, the FAQ or Using custom fields if you have questions about these fields.

i≣ Ca	·若 Calculator demo structure -							
	Key	Summary	Progress	TP	Requirement Status	TestRunStatus		
•	CALC-1082	✓ O As a user, I can calculate the sum of 2 numbers		0 🗙	v3.0 - NOK		¢ -	
	CALC-1083	O Manual Test As a user, I can calculate the sum of 2 numbers		0 🛠		v3.0 - FAIL		
	CALC-1084	Generic Test As a user, I can calculate the sum of 2 numbers		0 🛠		v3.0 - PASS		
	CALC-1085	O Cucumber Test As a user, I can calculate the sum of 2 numbers		0 🛠		v3.0 - PASS		
	CALC-1195	O Cucumber Test As a user, I can calculate the sum of two positive numbers		0		v3.0 - TODO		
	CALC-1196	O Cucumber Test As a user, I can use the plus sign		0		v3.0 - TODO		

## Show progress information of Test Executions and Test Plans

You can include information about the progress (i.e. the "overall execution status") of (Sub) Test Executions or Test Plans. For this, you need to include the proper custom fields: "Test Execution Satus" and "Test Plan Status", respectively. More information on these fields can be found here.

Note: you need to have the latest version of Structure installed.

Summary	Progress	тр	Test Plan Status	Test Execution Status
·殭 Calculator demo structure				
% Add issues linked by Tests: parent tests or tested by children				
% Add sub-tasks: Sub Test Execution				
igma Enabled Xray enhancements for managing Tests in Test Sets, Test Executions and Test P				
Group by Fix Version/s				
▼ 𝔅 v3.0 - New features				
As a user, I can calculate the sum of 2 numbers		○ 🛠		
▼ I all my relevant tests		<b>F</b> 🛠		
Generic Test As a user, I can calculate the sum of 2 numbers		0 🛠		
Cucumber Test As a user, I can calculate the sum of 2 numbers		0 🛠		
Manual Test As a user, I can calculate the sum of 2 numbers		0 🛠		
Test Execution for Test Plan CALC-1088				

### Show status overview of Tests contained within Test Sets

You can include information about the status of the Tests belonging to a Test Set, by including the "Test Set Status" custom field as a column. Although Test Sets are not related with execution aspects, sometimes it may be quite useful to have an idea how certain groups of Tests (i.e. the ones that you have in some Test Set) are.

Please make sure this custom field is configured properly in Xray (under "Custom Field Preferences" admin settings), to show the status of Tests for the version you want to.

More information on this field can be found here.

Note: you need to have the latest version of Structure installed.

Key	Summary	Progress	ТР	Test Plan Status	Test Execution Status Test Set Status
	E Calculator demo structure				
	% Add issues linked by Tests: parent tests or tested by children				
	% Add sub-tasks: Sub Test Execution				
	imes Enabled Xray enhancements for managing Tests in Test Sets, Test Executions and Test P				
	Group by Fix Version/s				
	Signature with the second s				
	✓ □ No fix version	_			
CALC-1087	arithmetic operations		5		

## Learn more

For specific questions concerning Structure, please use Structure app support channel.

Please refer to the following resources for more information:

• Structure specific documentation for Xray