

Leveraging Agility in Agile teams

- [About Agile](#)
- [How Xray enables Agility in 5 points](#)
 - 1. Complete and immediate visibility
 - 2. One place where all your team members work, no matter the role they have with total transparency
 - 3. Foster collaboration and communication between team members and also with customers
 - 4. Increase focus and efficiency
 - 5. Adaptable

About Agile

Whenever talking about Agile, first we have to look at the [Manifesto for Agile Software Development](#), so that we can understand how its [values and principles can be embraced with Xray](#).

There are many ways to look at Agile, though.

Overall, Agile's purpose is to "**Achieve (product) Greatness**" - How?

By...

- Having greater **Efficiency**
 - through **Common Understanding**
 - continuous **Collaboration**
 - **automating** repetitive tasks
- Delivering **Value**
- Continuously **Improving**
- Embracing **Change**
- Working as a **Team**

How Xray enables Agility in 5 points

1. Complete and immediate **visibility**

- With Xray, you can see what is happening on your existent Agile (Scrum/Kanban) Boards or on your stories; no need to ask
- Real time testing/coverage feedback on the issues you're working on (e.g. Stories, Epics, Tests) providing clear insights on quality. Users can quickly analyze test results, evaluate how a Story is on different versions, besides the actual one. To have even deeper understanding on how their feature is performing on different "contexts" (e.g. browsers, mobile devices), users may analyse their test results and coverage on different [Test Environments](#)
- Overall, project-level coverage overview, which includes real-time testing feedback. Xray gives the ability to analyze the stories from multiple perspectives, so you can see how the stories that are relevant to you are, from a QA standpoint
- Xray understands the "hierarchical" relation between Epic<=>Story. In fact, it's just one of the [possible scenarios](#) for handling parent and "sub-requirements." That means that Tests covering a given Story will implicitly cover the related Epic. Thus, from the Epic screen, you can track its coverage, including the latest Test results based on the coverage of related Story issues

Calculator Board Enhanced with Testing

Sprint 1 0 days remaining [Complete Sprint](#)

QUICK FILTERS: [Only My Issues](#) [Recently Updated](#)

To Do

- CALC-962 As a user, I can calculate add positive numbers
v3.0 - NOK
- CALC-983 As a user, I can calculate the sum of 2 numbers
v3.0 - NOK
- CALC-3206 Sub Test Execution for CALC-983
- CALC-970 calculator screen does not show anything
- CALC-1200 Test Plan with automated tests for sum operation

In Progress

- CALC-983 As a user, I can calculate the sum of 2 numbers
v3.0 - NOK
- CALC-995 Sub Test Execution for CALC-983
- CALC-1232 testplan for regression tests for v3.0
Assignee: Administrator
- CALC-1706 As a user, I can calculate the sum of two numbers
v3.0 - OK

Done

- CALC-1178 As a user, I can calculate the sum of 2 numbers
v3.0 - NOK
- CALC-1935 Sub Test Execution for CALC-1178
- CALC-1184 Test Plan with sample addition tests for v3.0
- CALC-1185 Test Execution for Test Plan CALC-1184

Details

Type: Story
Priority: Major
Affects Version/s: None
Component/s: None
Labels: None
Requirement Status: v3.0 - OK

Description

Click to add description

Test Coverage

Version: None (latest execution)

- OPEN Unresolved CALC-3211 Cu
- OPEN Unresolved CALC-3209 Ma
- OPEN Unresolved CALC-3212 Ge

Overall Requirement Coverage Report

Scope: version; Version: v3.0; Environment: All Environments

Component/s: None Fix Version v3.0

Component	OK	Not Run	Uncovered
None	41.9% (57)	14.7% (20)	25% (2)
core	75% (6)		
UI			

(2) CALC-585 OPEN

v3.0 - NOK

Version: v3.0

Epic 1

- CALC-568 OPEN
- v3.0 - NOK
- Version: v3.0
- As a user, I can calculate the sum of 2 numbers

2. One place where all your team members work, no matter the role they have with total transparency

- No need to go to different tools to have access to all the information; and no need to synchronize information or users
- Testers can clarify PBIs (product backlog items), assess risks and provide better estimates
- Testers can be part of PRs and tester's automated code can also be reviewed
- Developers, PO, Scrum master can also provide inputs to testing activities
- Blend programming & testing together by having developers and testers working together in the same development related activities, as equals

The screenshot shows the 'Users by role' page in Jira. It features a search bar and a list of roles with their respective user counts. Each role is followed by a table of users with columns for Name, License, Username, Email address, and Last session.

Role	Count
ADMINISTRATORS	Showing 1 of 1
DEVELOPERS	Showing 2 of 2
TESTERS	Showing 1 of 1
USERS	Showing 1 of 1

3. Foster **collaboration** and **communication** between team members and also with customers

- Testers communicate directly in the issues being worked on (e.g. stories, bugs, tests)
- Work together with customers and other team members using BDD and Gherkin based frameworks (e.g. Cucumber)

The screenshot displays the 'Test Details' and 'Activity' panels for a Cucumber test. The 'Test Details' panel shows the test type, scenario type, and scenario text. The 'Activity' panel shows a comment from an administrator.

Test Details

Type: **Cucumber**

Scenario Type: **Scenario Outline**

Scenario: **Given I have entered <input_1> into the calculator
And I have entered <input_2> into the calculator
When I press <button>
Then the result should be <output> on the screen**

Examples:

input_1	input_2	button	output
20	30	add	50
2	5	add	7
0	40	add	40
4	50	add	54
5	50	add	55

Activity

All Comments Work Log History Activity Trans

Administrator added a comment - In 1 hour

I think we need to review these steps to cover a more comm

4. Increase **focus** and **efficiency**

- Share real-time information with your team using Jira dashboards; if you need PDF, Excel or Word based reports, then automate their creation, storage and sharing using [Xporter](#)
- Avoid wasting or losing time on unnecessary activities/assets; use [automation \(and automated tests\)](#) as much as possible
- Easily bring automated test results independently of the [automation frameworks \(e.g. JUnit, TestNG, Robot, Cucumber, etc\)](#), [coding languages](#) and [CI tool](#) your teams are using. It's as easy as submitting the results; Xray will do the rest

Tests Evolution: xtp_testexecs_v330 - 2018-10-28 - 2018-11-16

Legend: PASS, TODO, EXECUTING, FAIL, ABORTED, BLOCKED, NOTTESTABLE, TOTAL

Overall Requirement Coverage: Xray for Jira - xray_v330_requirements

Category	OK	NOK	Not R
None	88.6% (31)		
Xpporter Integration	100% (2)		
REST_API	100% (2)		
JQL Functions	100% (1)		
Gadget	100% (1)		

Historical Daily Requirement Coverage: Xray for Jira - xray_v330_requirements - (R3.3.0)

Legend: Uncovered-Other, Uncovered-Critical, Uncovered-Blocker, Not Run-Other, Not Run-Critical, Not Run-Blocker, Unknown-Other, Unknown-Critical, Unknown-Blocker, NOK-Other, NOK-Critical, NOK-Blocker, OK-Other, OK-Critical, OK-Blocker

Execution Details

Test Description

Test Issue Links (1)

tests CALC-1234 As a user, I can calculate the sum two numbers OPEN

Test Details

Test Type: Generic
Definition: com.xpend.java.CalcTest.CanAddNumbersFromGivenData

Results

Context	Error Message	Duration	Status
TestAll - calculator (1,2,3)	-	0 millisec	PASS
TestAll - calculator (2,3,4)	java.lang.AssertionError: expected [4] but found [5] at org.testing.Assert.fail(Assert.java:93) at org.testing.Assert.failNotEquals(Assert.java:512) at org.testing.Assert.assertEqualsImpl(Assert.java:134) at org.testing.Assert.assertEquals(Assert.java:115)	1 millisec	FAIL

5. Adaptable

You can adapt Xray to the process your team finds most useful and [make them more Agile](#). Use your team's feedback to embrace changes.

- Add fields, customize screens, [take advantage of the many benefits provided by Jira for issues also for testing related entities](#)
- Use all or a subset of the [entities provided by Xray](#)
- Use [one or more Test Plans per sprint](#) to track independently the progress of different subset of Tests; you can also have Test Execution on a per sprint level, to manage their work as any other task
- Use [Sub-Test Executions](#), if you want to track your test execution work as sub-tasks of your stories similarly to other development related tasks
- If you want to have greater control over your testing life cycle, [you may use workflows](#) and review all your testing activities; you may also automate workflow transitions as soon as you start and finish the execution of your Tests



As a user, I can calculate the sum of 2 numbers

- Edit
- Comment
- Assign
- More
- Stop Progress
- Resolve Issue
- Close Issue
- Admin

Details

Type: Story
 Priority: Major
 Affects Version/s: None
 Component/s: UI
 Labels: None
 Sprint: Sprint 1
 Requirement Status: v3.0 - NOK

Status: **IN PROGRESS** (View Workflow)
 Resolution: Unresolved
 Fix Version/s: v3.0

- Edit
- Comment
- Assign
- More
- S

Details

Type: Sub Test Execution
 Priority: Major
 Affects Version/s: None
 Component/s: None
 Labels: None
 Test Plan: None
 Test Environments: None
 Tests association with a Test Execution: 3 Test Runs

Description

Tests

Overall Execution Status



Description

Test Coverage

Attachments

Issue Links

Sub-Tasks

- Sub Test Execution for CALC-983 **IN PROGRESS** Administrator
- Sub Test Execution for CALC-983 **OPEN** Administrator

Sprint 1

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 - CALC-995 Sub Test Execution for CALC-983
- CALC-1232 testplan for regression tests for v3.0
- CALC-1706 As a user, I can calculate the sum of two numbers v3.0 - OK

Done

- CALC-1178 As a user, I can calculate the sum of 2 num v3.0 - NOK
 - CALC-1036 Sub Test Execution for CALC-1178
- CALC-1184 Test Plan with sample addition tests for v3.0
- CALC-1185 Test Execution for Test Plan CALC-1184