



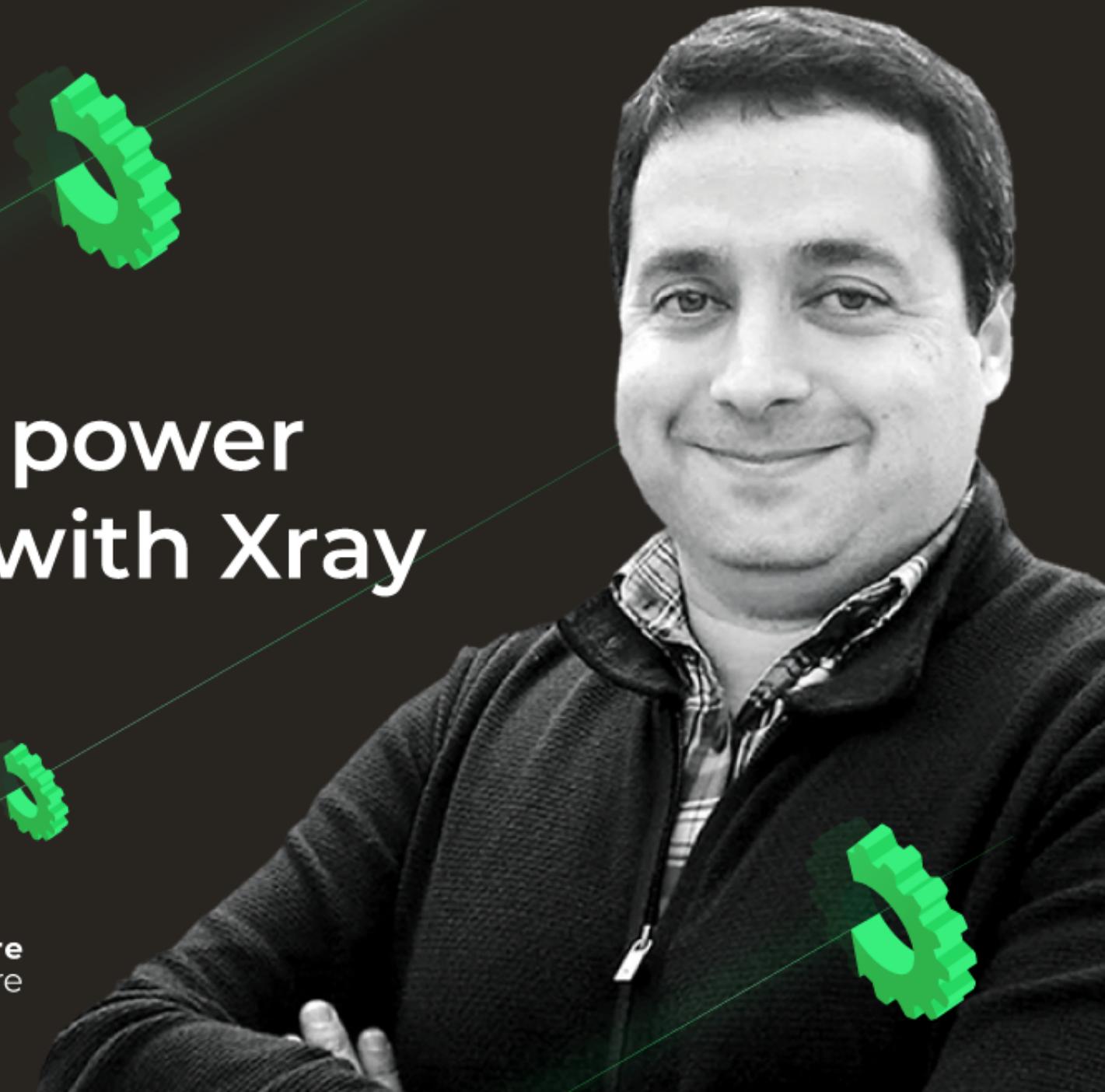
# Leveraging the power of your testing with Xray

12<sup>th</sup> January

5:00 p.m (GMT)

12:00 a.m (EST)

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Head of Solution Architecture

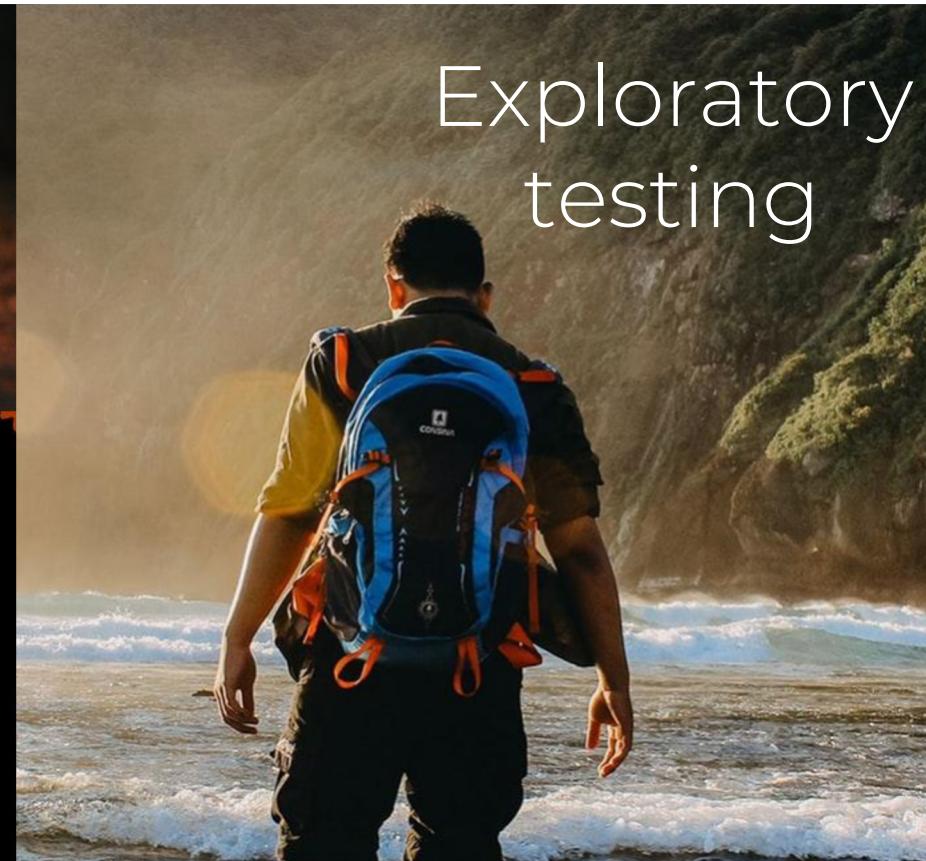
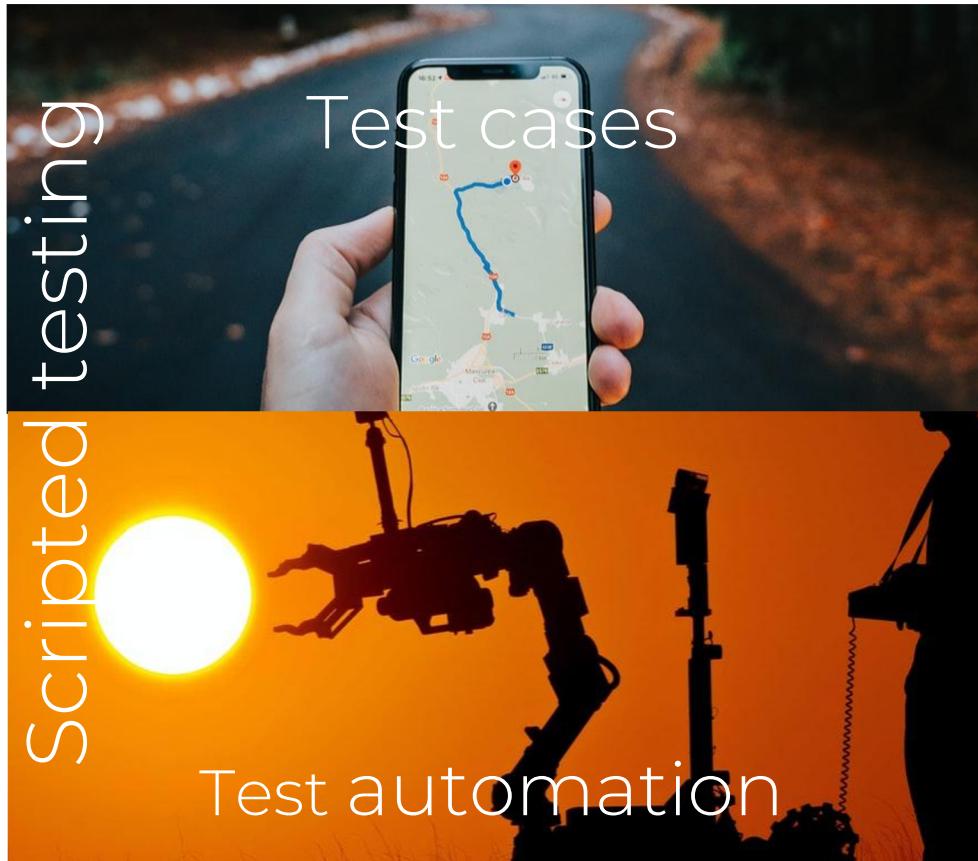


# Takeaways

- Understand the core **concepts** of Xray
- Quickly understand how **coverage** works and how you can use it to your advantage
- How to integrate **test automation** with Xray
- How to combine and consolidate scripted testing with **exploratory** testing
- Understand some of the built-in **capabilities** that allow you to tune your testing process to your team needs

# Xray Overview

# Recap: Testing approaches/styles



# What is Xray?

- Scripted and Exploratory Testing
- Test Management App for Jira
  - Cloud, Server and Data Center
- Organize, Plan & Execute Tests
- Report bugs
- Test Coverage visibility
- Complete traceability
- REST API
- Automation friendly
- Customization friendly

The screenshot displays the Xray application interface, which includes a Test Coverage Report and a Test Details view.

**Test Coverage Report:**

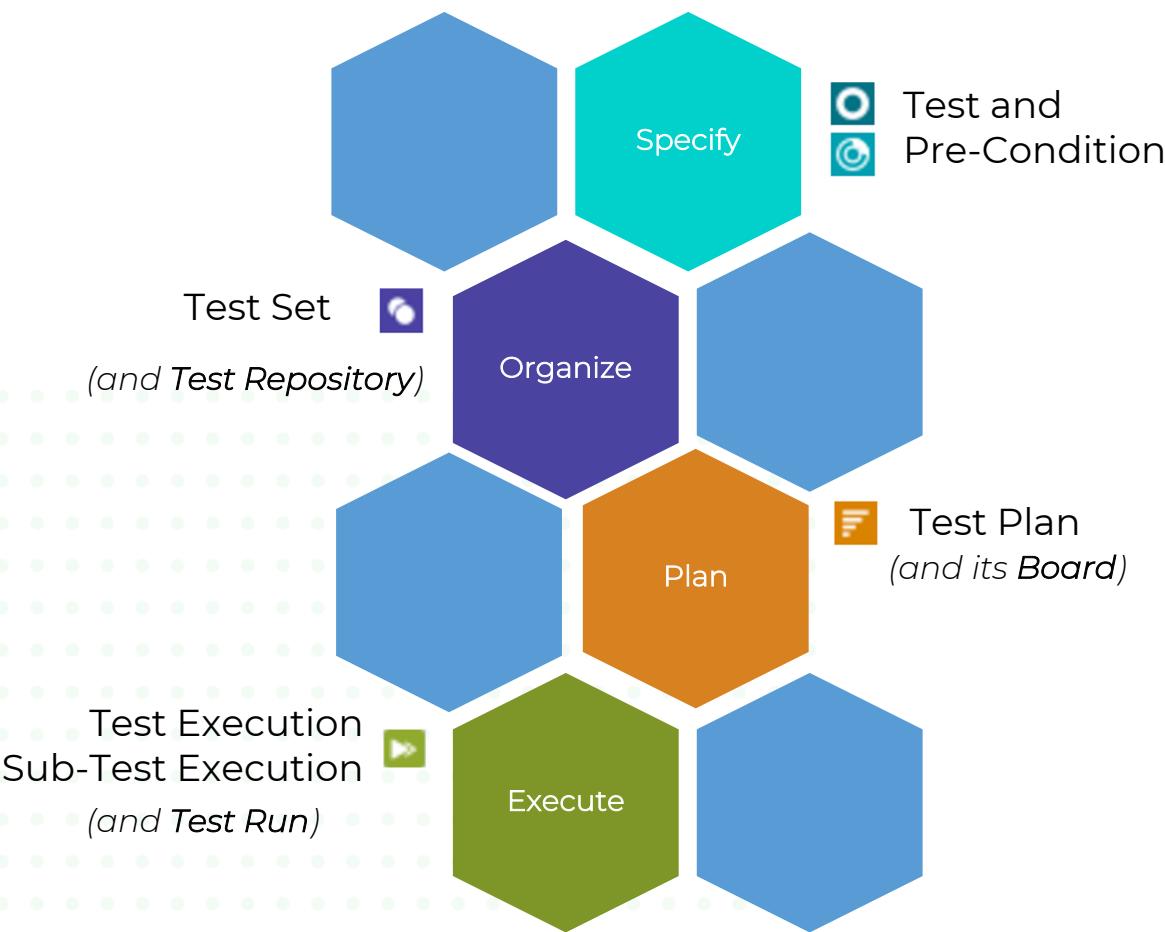
- Analysis & Scope:** Scope: Version Version: 1.0 Final Status, Project: Calculator.
- Key:** CALC-1, CALC-3, CALC-5, CALC-4, CALC-17, CALC-2, CALC-7.
- Summary:** Add two numbers, Divide two numbers, Multiple Operations, Multiply two numbers, New Complex Cucumber Test, Subtract two numbers, Test Scientific Mode.
- Test Type:** Cucumber, Cucumber, Cucumber, Manual, Cucumber, Manual, Generic.
- Status:** TO DO, TO DO, TO DO, TO DO, TO DO, TO DO, TO DO.
- Status Legend:** FAILED (red), PASSED (green), TO DO (grey).
- Issues:** Total 7 issues.

**Test Details:**

- Subtract two numbers:** Test ID: CALC-3, Type: Test, Priority: Medium, Status: TO DO.
- Description:** Click to add description. This is the description for this Test.
- Test Details:** Type: Manual, Scenario: 1 Given I have entered <input\_1>, 2 And I have entered <input\_2>, 3 When I press <button>, 4 Then the result should be <output>.
- Examples:**

input_1	input_2	button	output
20	30	add	50
2	5	add	7
0	40	add	40
1	40	add	41
- Test Status:** FAILED (red). Calculate the latest Test Status, Latest Version Test Plan, All Environments, Final statuses have precedence, Recalculate.
- Assignee:** Bruno, Reporter: Bruno, Votes: 0, Watchers: 1 (Stop), Created: 23/May/18, Updated: 25/May/18.
- Agile:** HipChat discussions, Connect, Dismiss.

# Issue types for different testing phases



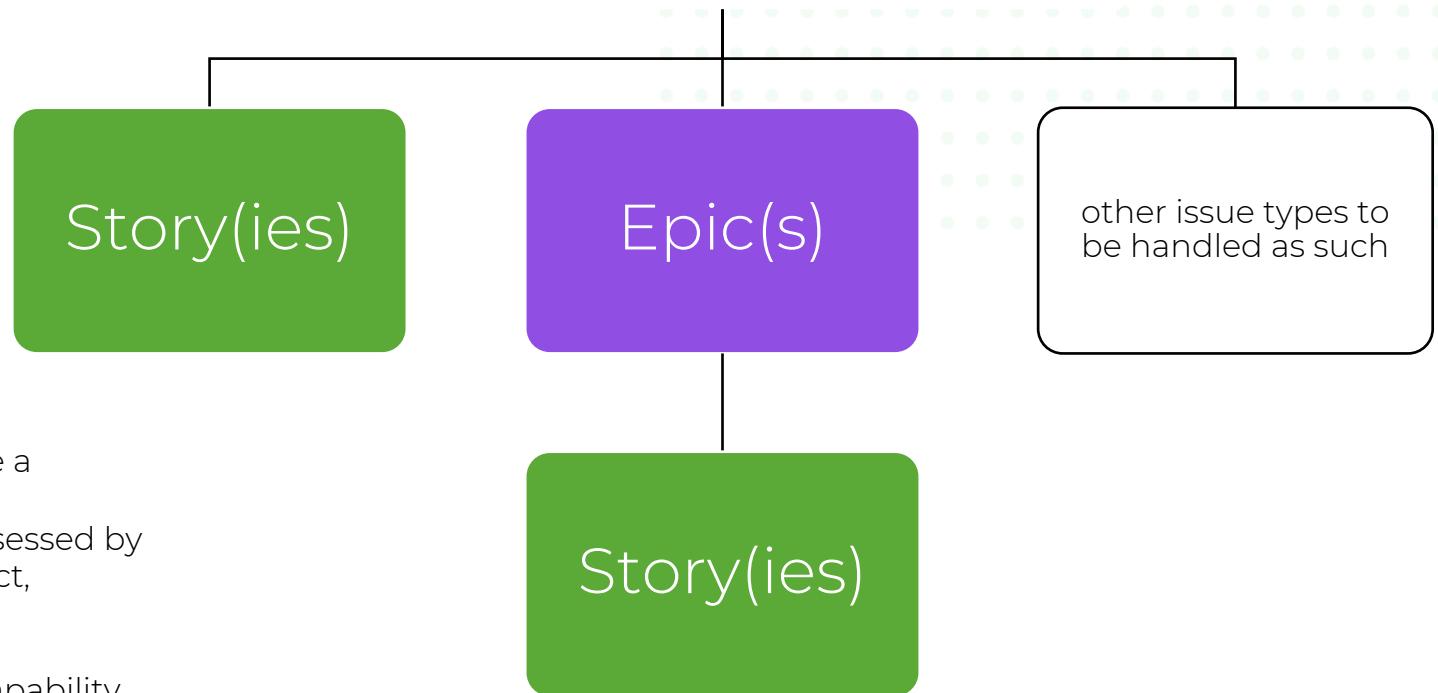
## Leveraging the advantages of Jira issues

1. Leverages Jira's built-in features
2. Permission control
3. Implementation of Workflows
4. Custom fields
5. Screens customization
6. Assignment, Changes tracking
7. Collaboration
8. Use other 3rd party Jira apps
9. And much more...

# Concepts



# Requirements: issues coverable with Tests



Software Requirements as defined by IEEE

- A condition or capability needed by a user to solve a problem or achieve an objective
- A condition or capability that must be met or possessed by a system or system component to satisfy a contract, standard, specification or other formally imposed documents
- A documented representation of a condition or capability as in 1 and 2.

In sum, Requirements are intended to facilitate a shared understanding of what needs to be built.

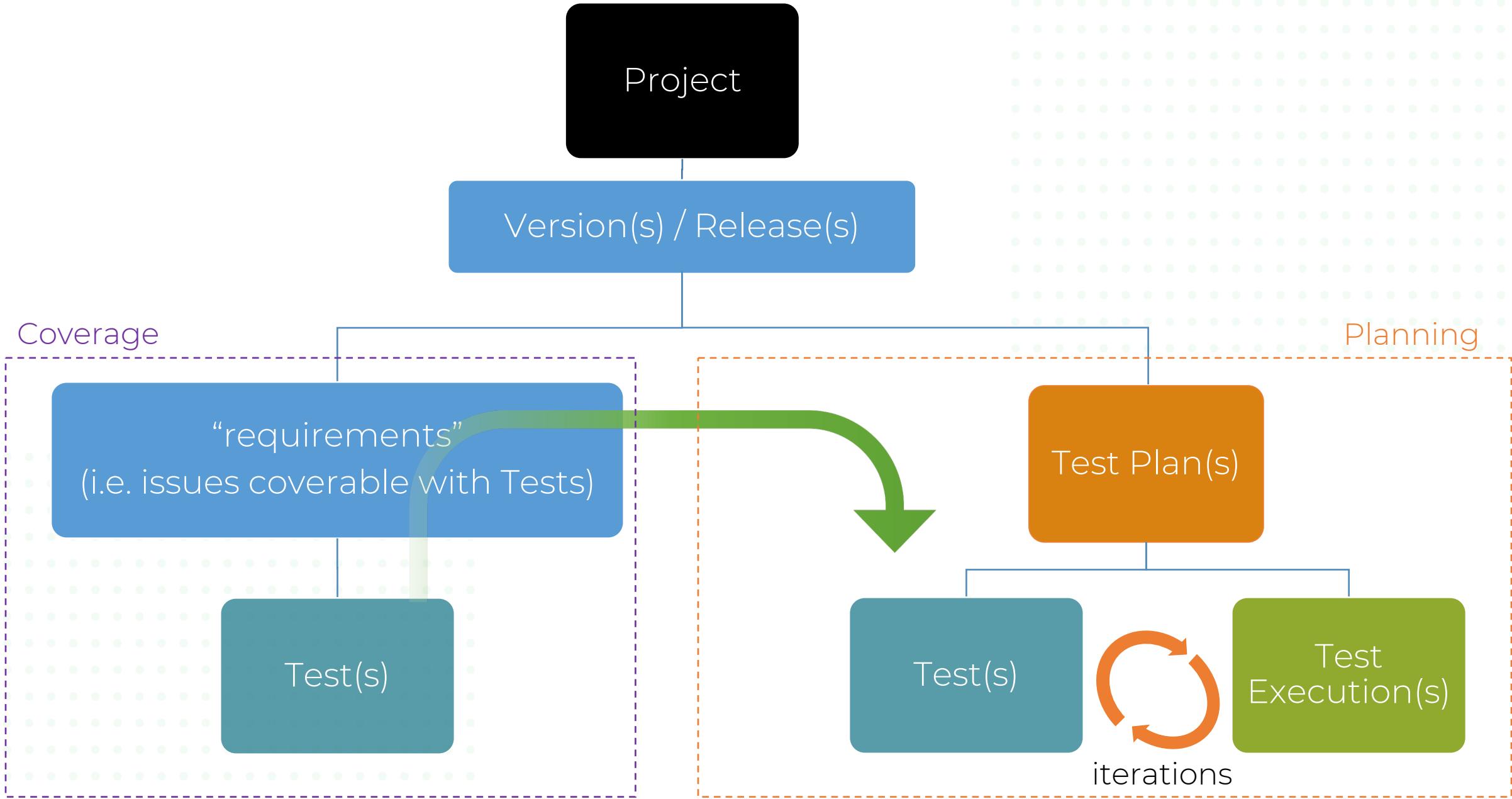
A close-up photograph of a person's hand holding a smartphone vertically. The phone's screen is visible, showing a colorful interface with a vertical white line. The background is a soft-focus sunset or sunrise over water, with warm orange and yellow hues blending into cooler blues and purples.

Versions

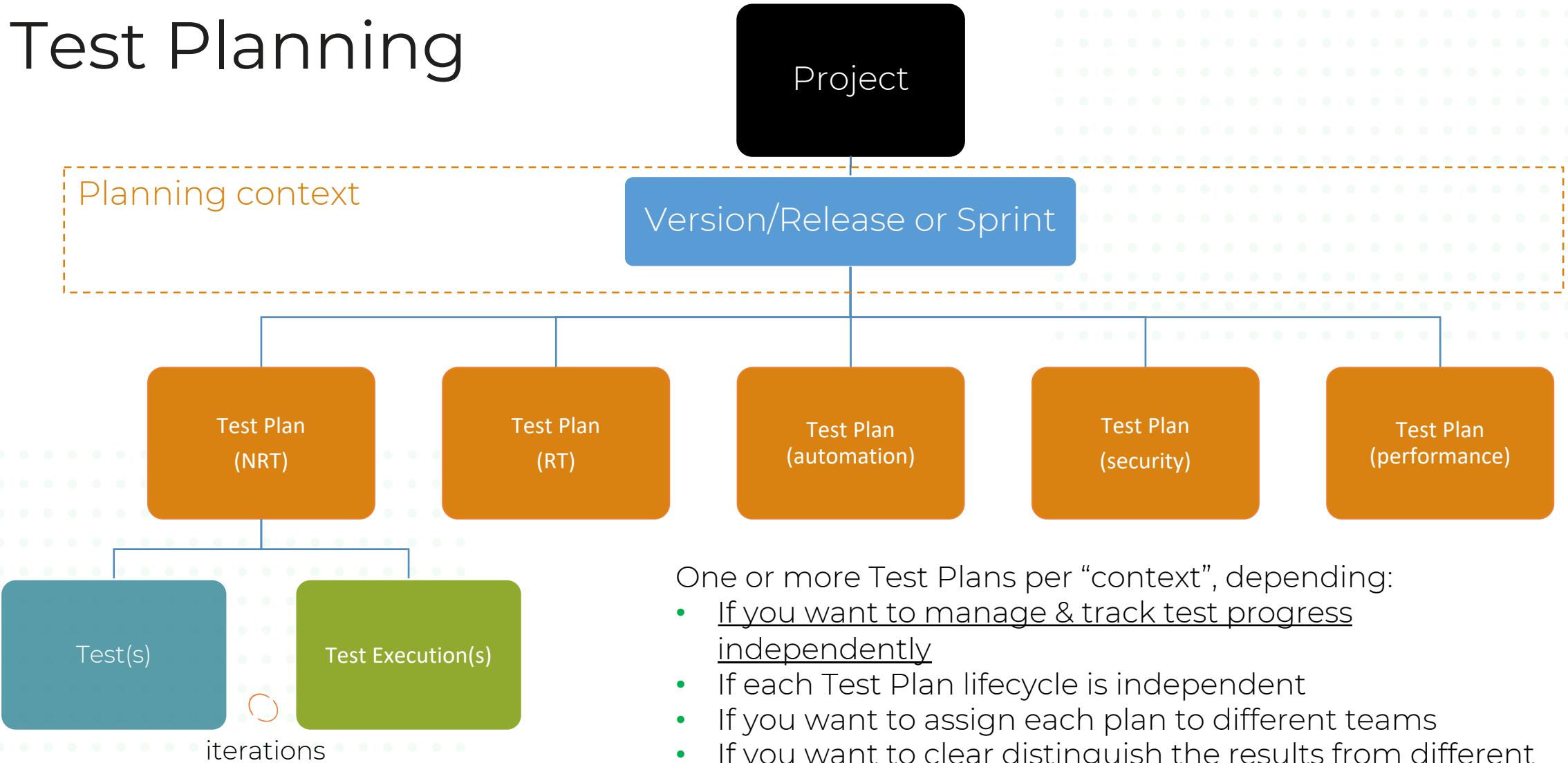
Test Plans

Environments

Coverage



# Test Planning





# Xray live

# Project CALC

v1.0

Sprint 1

Math operations Epic

Sum Story

Login Story

Test Plan

Test Execution

Manual Precondition

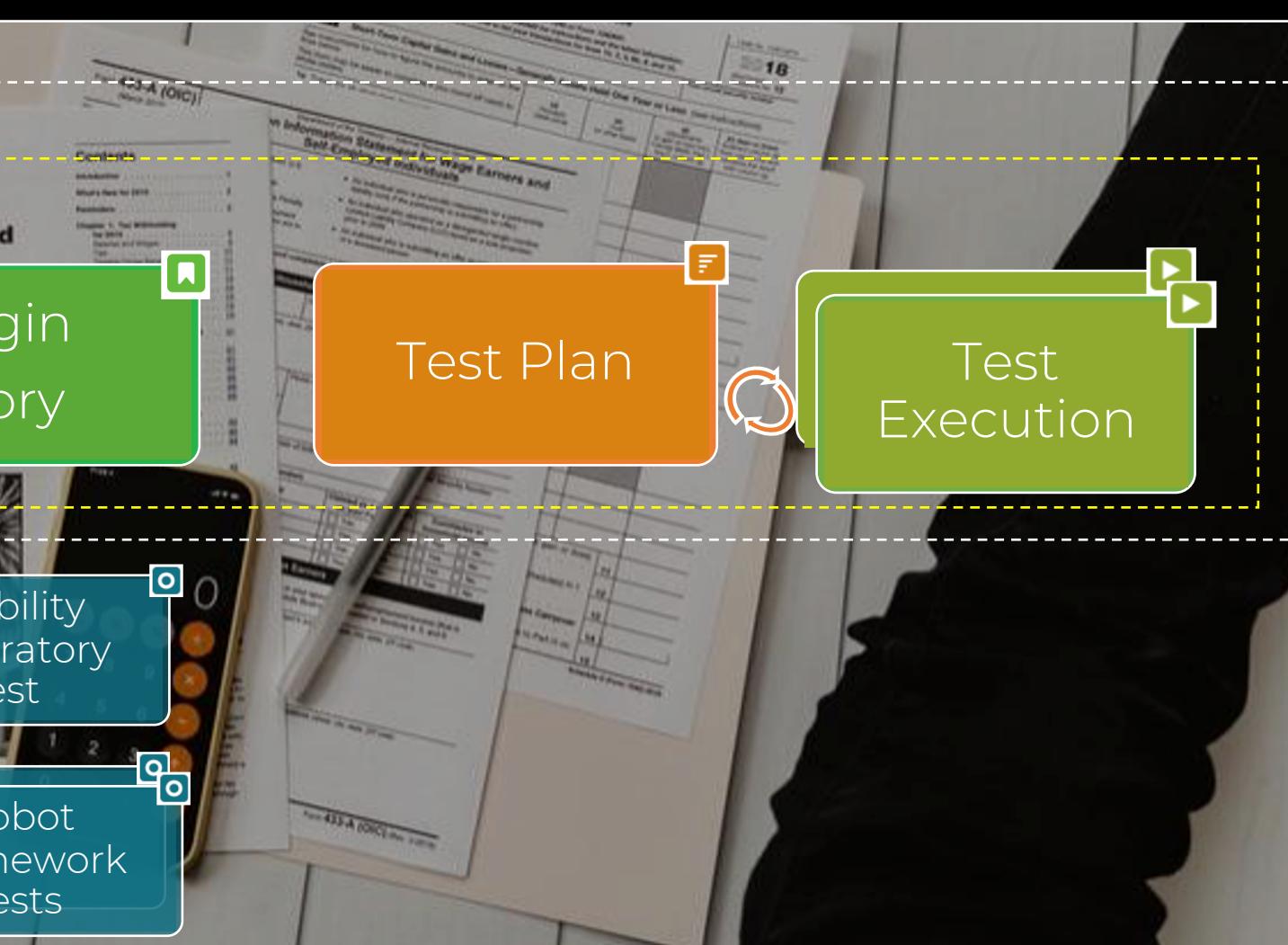
Manual scripted test

Usability exploratory test

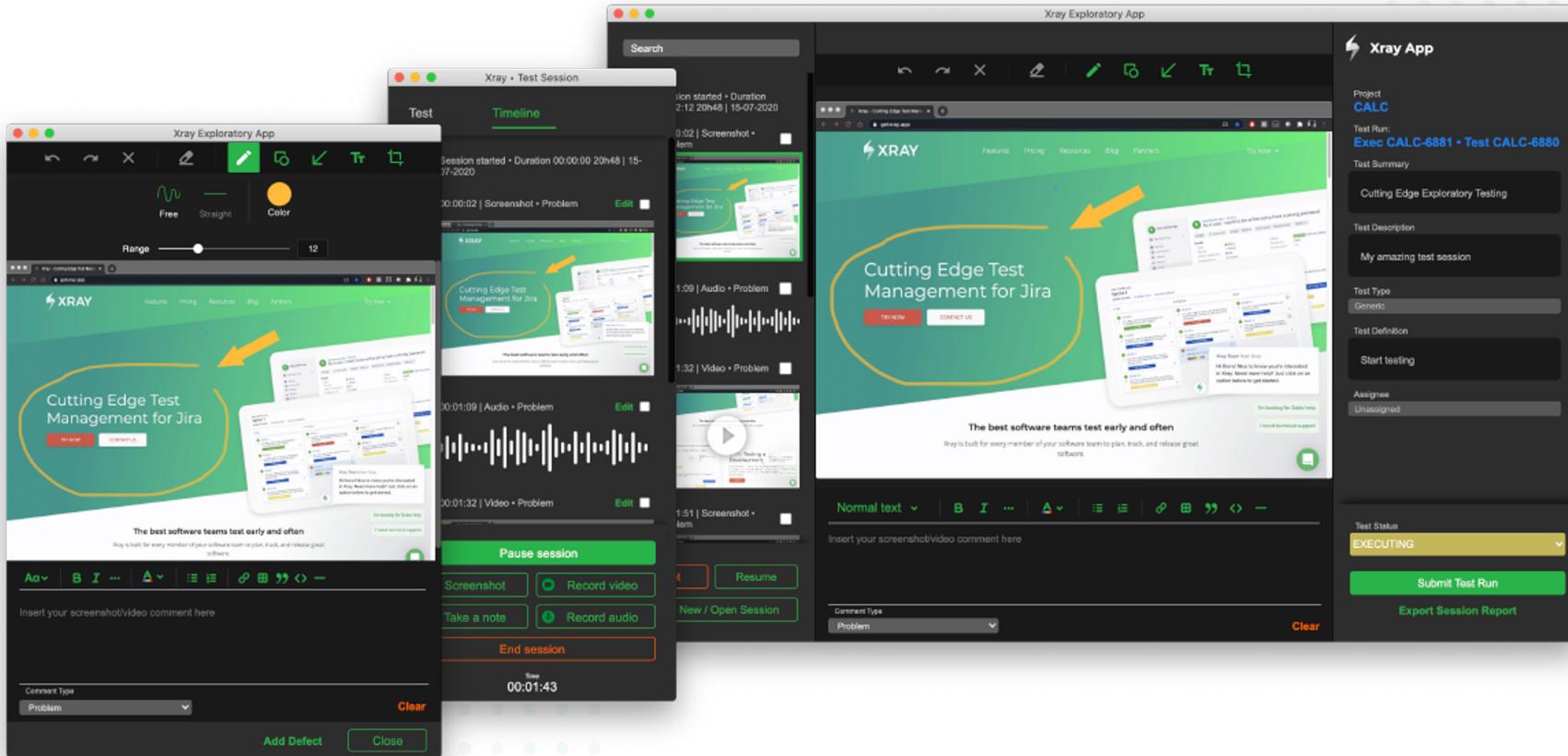
JUnit Java tests

Robot Framework tests

Cucumber Scenario



# Xray Exploratory App



[xr4y.io/explore](http://xr4y.io/explore)



# Thank you!

Find us at

[getxray.app](http://getxray.app) | [mail@getxray.app](mailto:mail@getxray.app) | [@XrayApp](https://twitter.com/@XrayApp)

[sergiofreire.com](http://sergiofreire.com) | [@darktelecom](https://twitter.com/@darktelecom)

