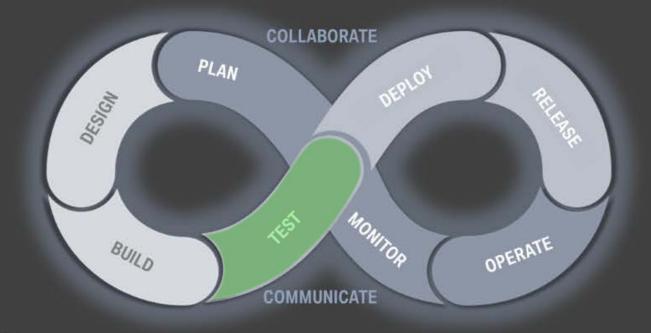
XRAY INTRODUCTION IN THE AGILE TOOL CHAIN. INTEGRATED AND AUTOMATED TESTING.



Matthias Krauß, Jürgen Kock



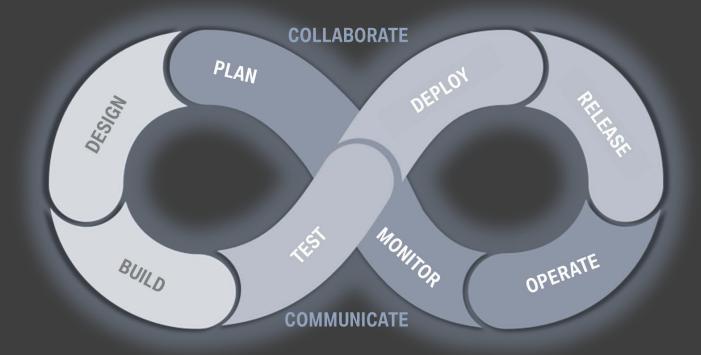






Rolls-Royce

VISION: AN INTEGRATED TOOLCHAIN, COVERING THE WHOLE DEVOPS LIFECYCLE.



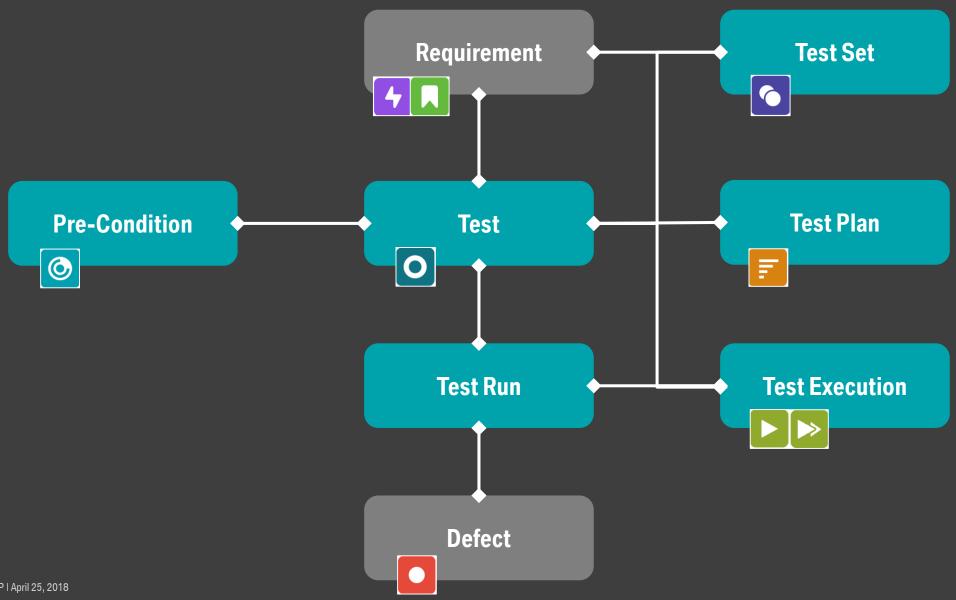
Group-wide service

Provisioned within max. 2 working days

Transparent cost

Standard processes

XRAY ADDS TEST ISSUE TYPES TO THE JIRA STANDARD SET.

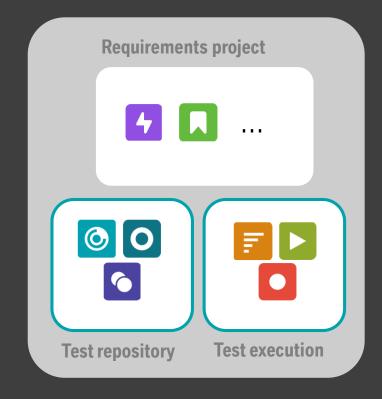


XRAY SUPPORTS DIFFERENT PROJECT ARCHITECTURES.



Requirements project

Test project

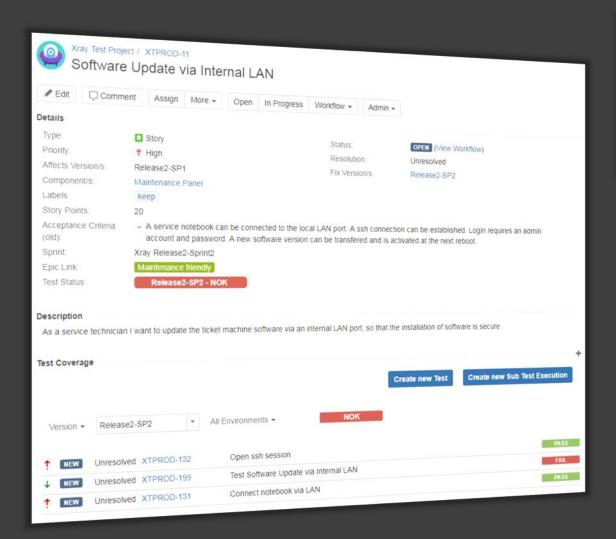


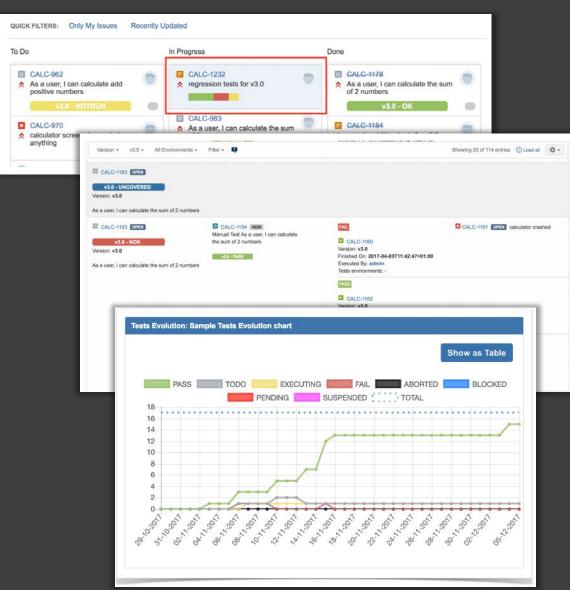
"One for all, and all for one"

Separate test project

Test repository & execution project

TEST COVERAGE AND RESULTS ARE TRACEABLE THROUGHOUT JIRA.





MOTIVATION: WHY DO WE NEED A JIRA ADD-ON FOR TEST MANAGEMENT?

JIRA + HP ALM

Two tools with synchronization



- Effort, complexity and maintenance due to the synchronization
- Requirement traceability in HP ALM often not used

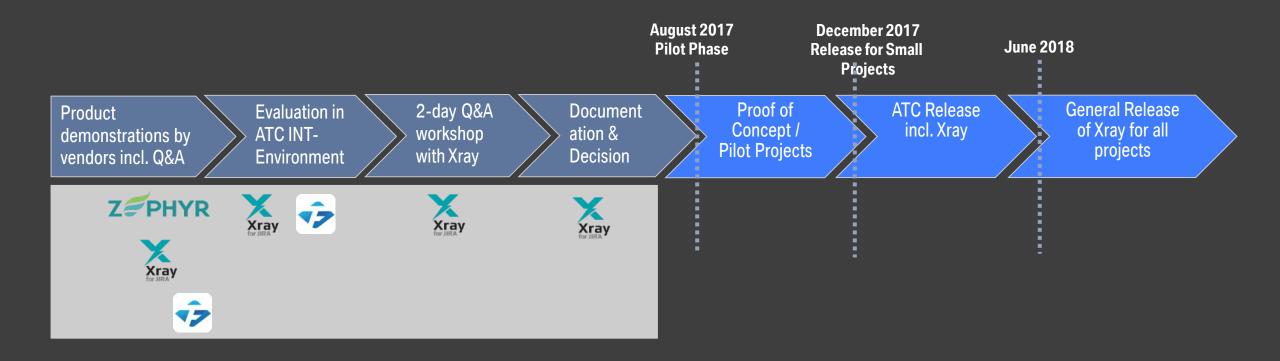
JIRA / Xray

Integrated solution



- ✓ Requirements, Tests and Defects in one tool with links between all Jira issue types
- ✓ Xray intuitive for experienced Jira users

XRAY INTRODUCTION WITHIN THE ATC. TIMELINE.



DECISION CRITERIA: WHICH TESTING TOOL SUITS BEST?

Jira project on the ATC?

Initiative with multiple Jira projects and high reporting and tracking requirements?

Test phases with considerable planning and monitoring?

Team willing to change the tool?

Number of existing test cases?

Migration of tests required?

Project specific customization of workflows and fields required?









TESTING ON THE ATC. WITH THE AGILE TEST AUTOMATION PLATFORM (ATAP).

REST-assured Lightweight alternative to **ALM for performing test**



management in JIRA.

Jira Software

TESTING ON THE ATC. WITH THE AGILE TEST AUTOMATION PLATFORM (ATAP).

API test automation framework (XML/JSON).

Test framework for automated acceptance tests written in a behavior-driven development (BDD) style. The definition language for the test cases is Gherkin.



REST-assured



Jira Software

UI test automation framework (WEB).

ATAP APPROACH. AUTOMATED TEST EXECUTION (PLATFORM).

Sprint n



Sprint "n-1"









Test Reports





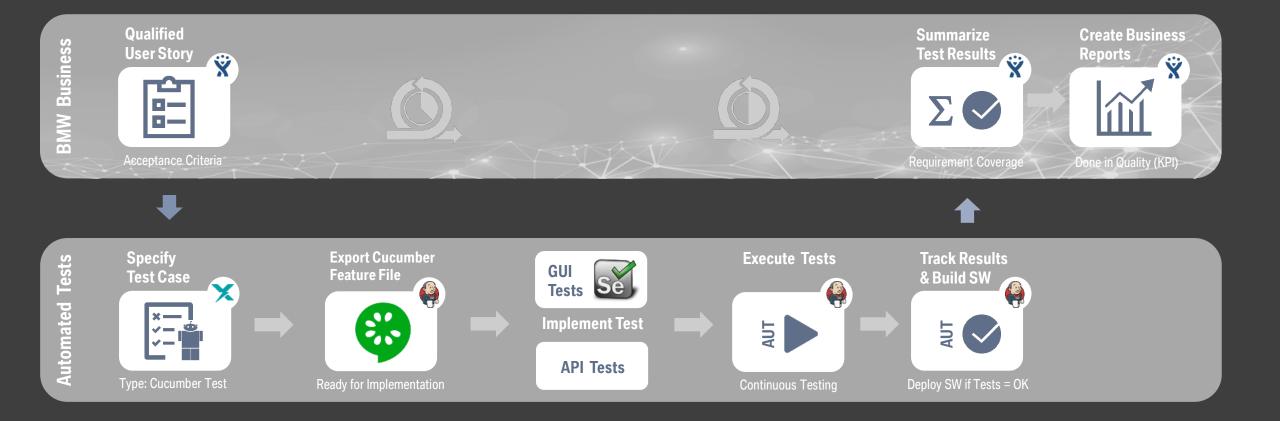






Features Statistics The following graphs show passing and fail				
	Ste			
Feature	Passed	Failed	Skipped	ı
Admin login secured	15	0	0	
BRI project management	27	3	0	
Backend API	16	0	0	
Backend API	15	0	0	

USER STORY TESTING WITH AGILE TEST AUTOMATION PLATFORM (ATAP).



AGILE TOOL CHAIN STATISTICS

> 15.000
Jira Users
in > 2.000
Projects

100 % of Xray Pilot Projects recommended introduction

> 200 Xray Projects within 3 months Large
Projects
adapting lean
approach of
Xray

Pilot Phase for **Test Automation**started