

Speakers



Joris van der Heijden Mendix Test Consultant and Trainer at Mansystems



Andrej Koelewijn Product Manager at Mendix



Georg Holz Senior Consultant at Mansystems



Jan de Vries
Developer Content Marketing
Manager at Mendix



Agenda

- Brief introduction to ATS
- Demo
- New features of ATS 2.0
- Summary
- Questions

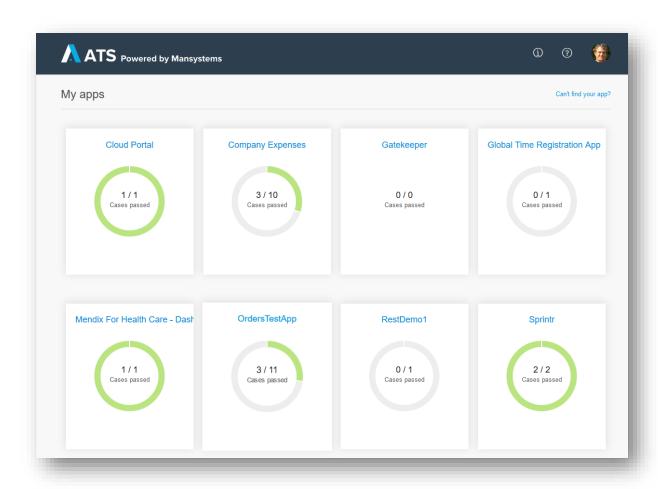


A brief introduction to ATS

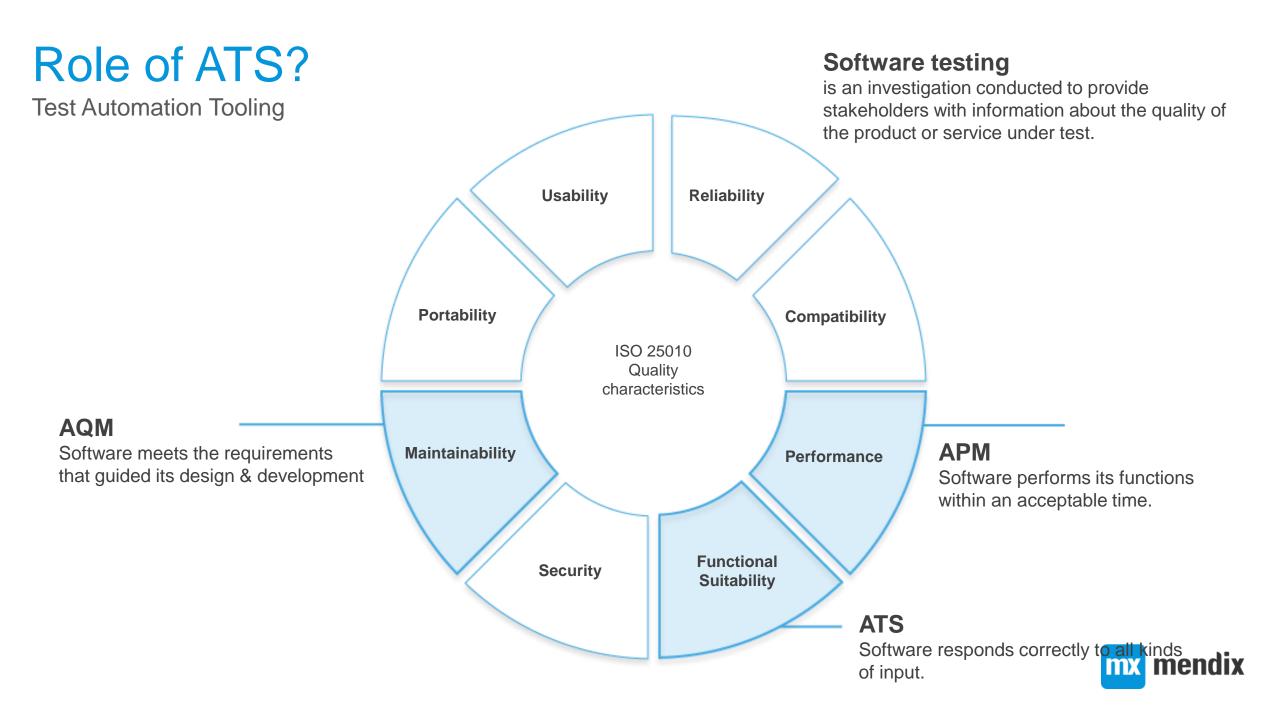


What is ATS?

- Application Test Suite
- Define and run user interface tests for Mendix apps
- Focus on ease of use
 - Anybody in your Mendix team can define and run tests
 - Low code no scripting required
 - Cloud tool 5 minutes to set up and run your first test







Why you should automate your tests

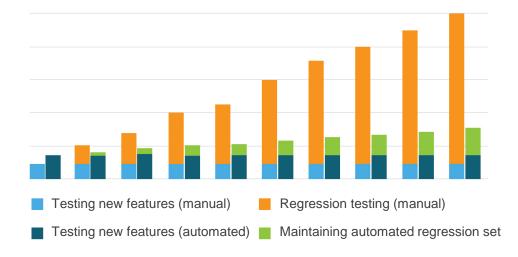
Delivering a quality application

The earlier a bug is found, the lower the cost fixing a bug.

Source: Systems Sciences Institute at IBM



The more automated tests, the less time spent on regression testing.





Reliability Compatibility **Performance Functional** Suitability

Why are Mendix customers using ATS?

Regression testing

Testing of existing functionality that is not changed by changes to the application

- Sunny & Rainy day scenario's
- Negative testing (security testing)

Data driven testing

Single value & data driven testing

Availability testing

Testing application production availability (24/7)

Performance testing

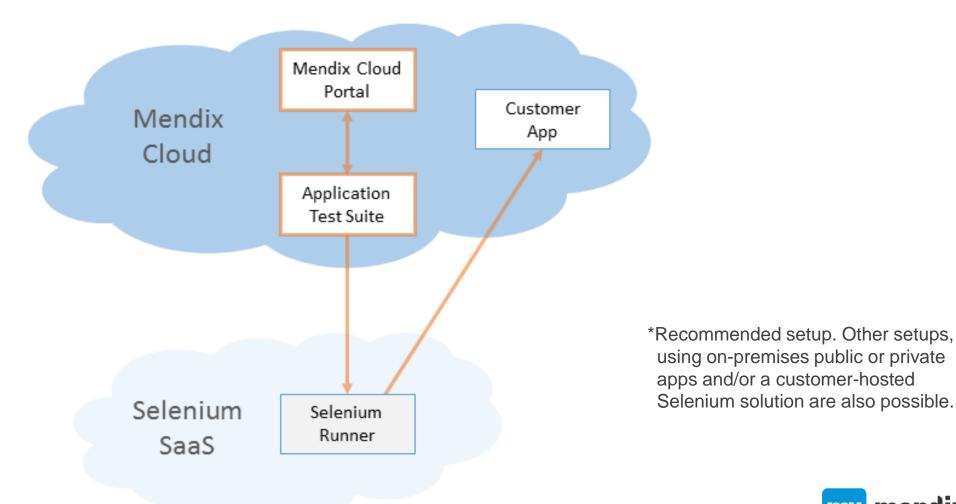
Test Case and Test Step duration In combination with APM

Validation process

Use PDF report for audits



How does ATS work?





Interactions between ATS, Selenium hub and AUT



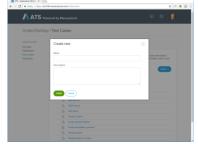


Demo

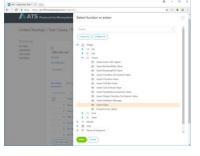


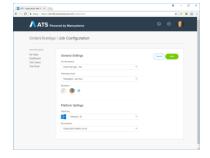
ATS Demo

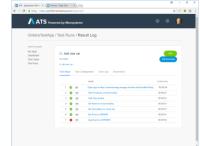












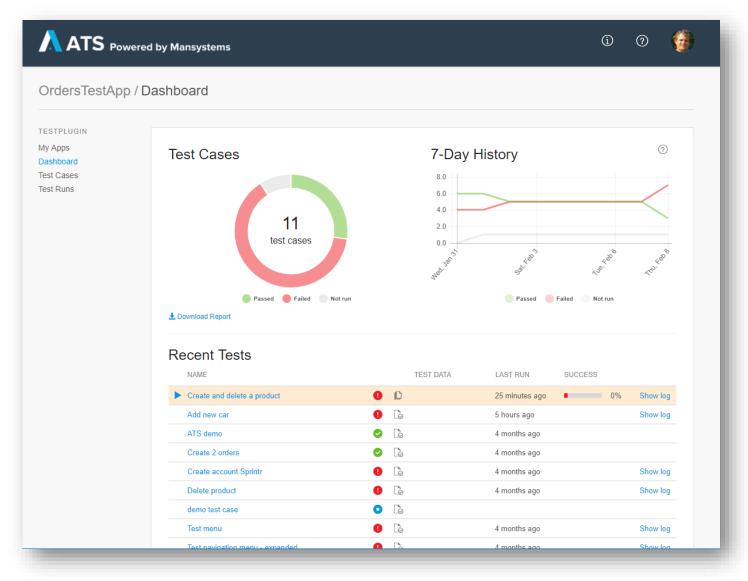
Projects Create Test Record Test Modify Test Run Test View Results



New features

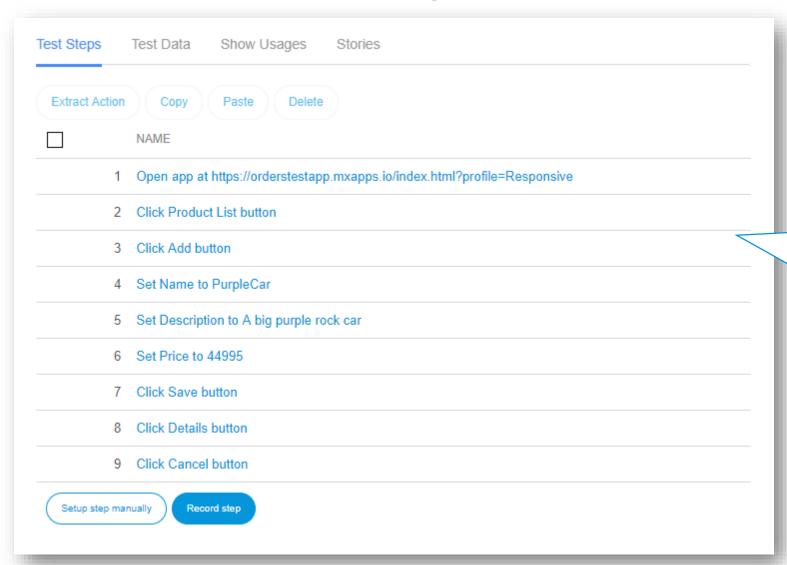


Project dashboard





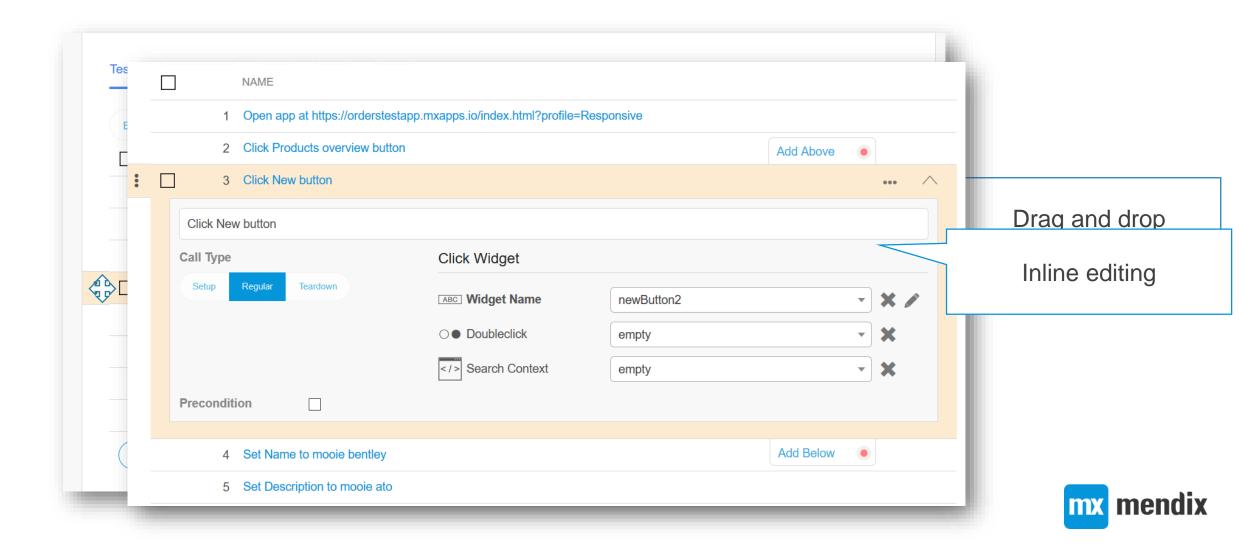
Readable test scripts



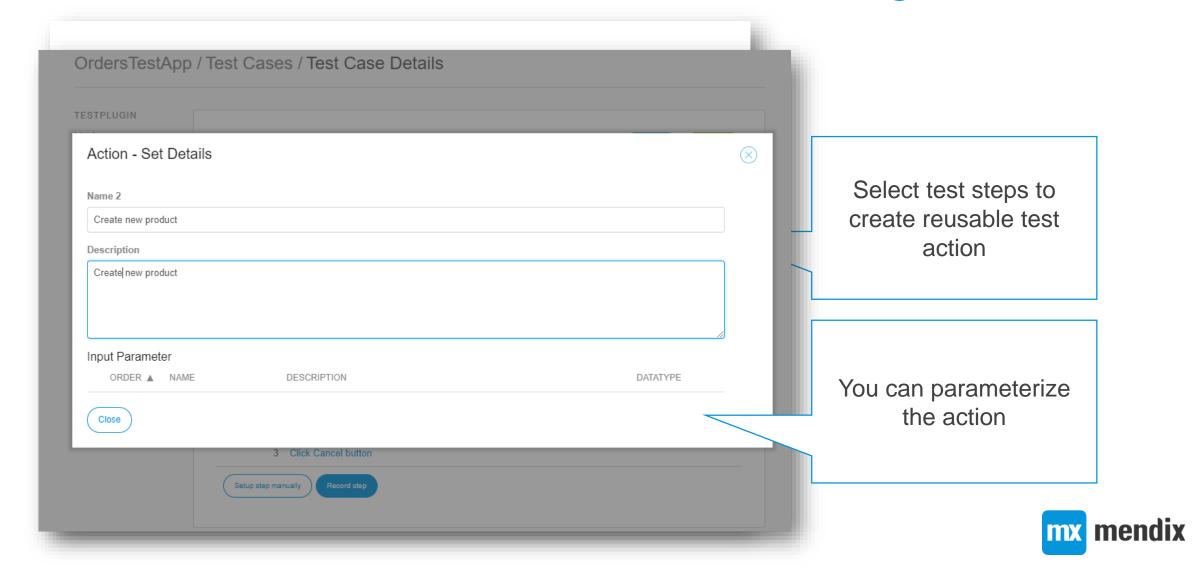
Recording results in a test script readable by non-technical people



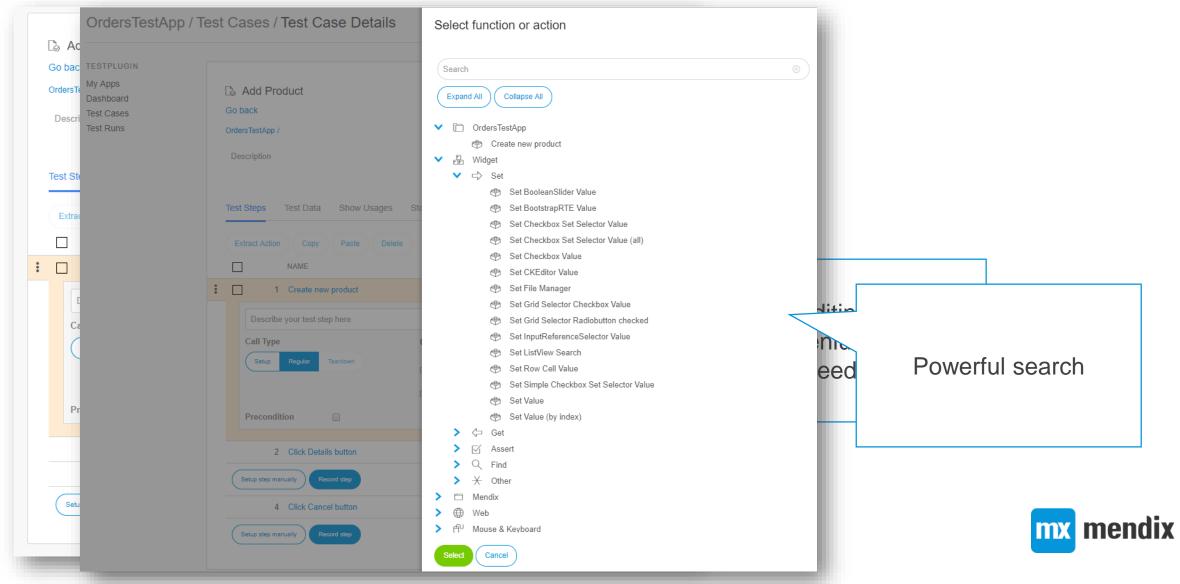
Faster test editing



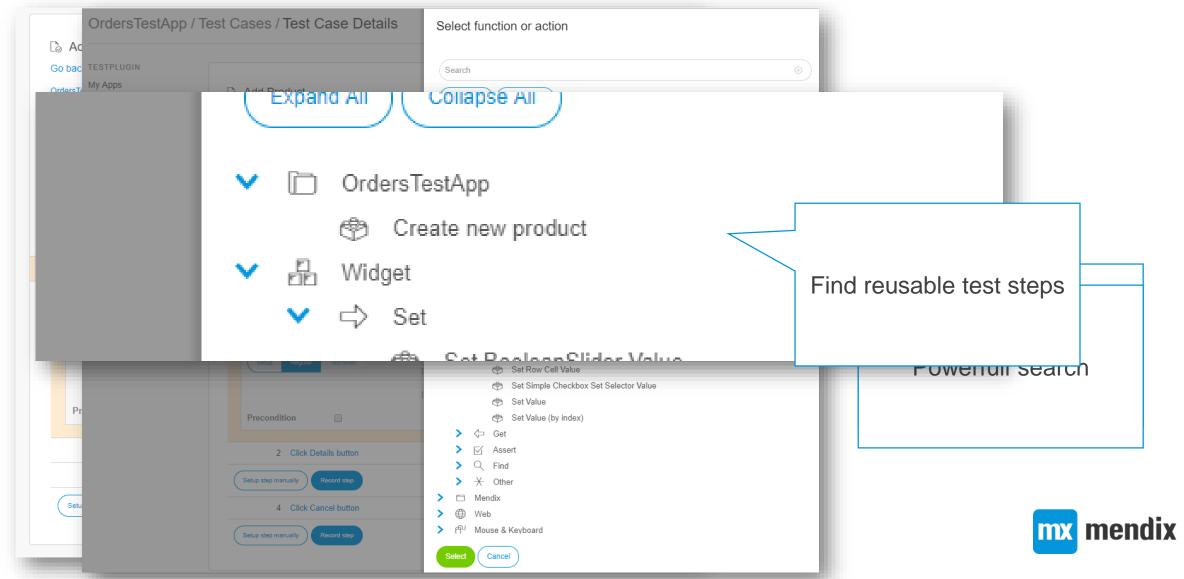
Create reusable actions from recordings



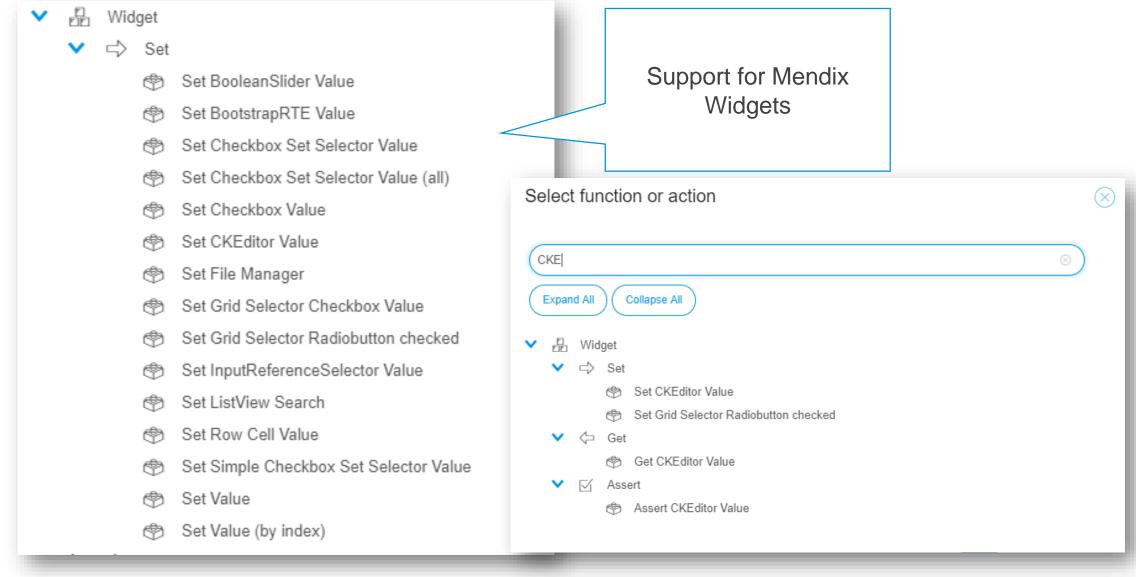
User friendly test script editing

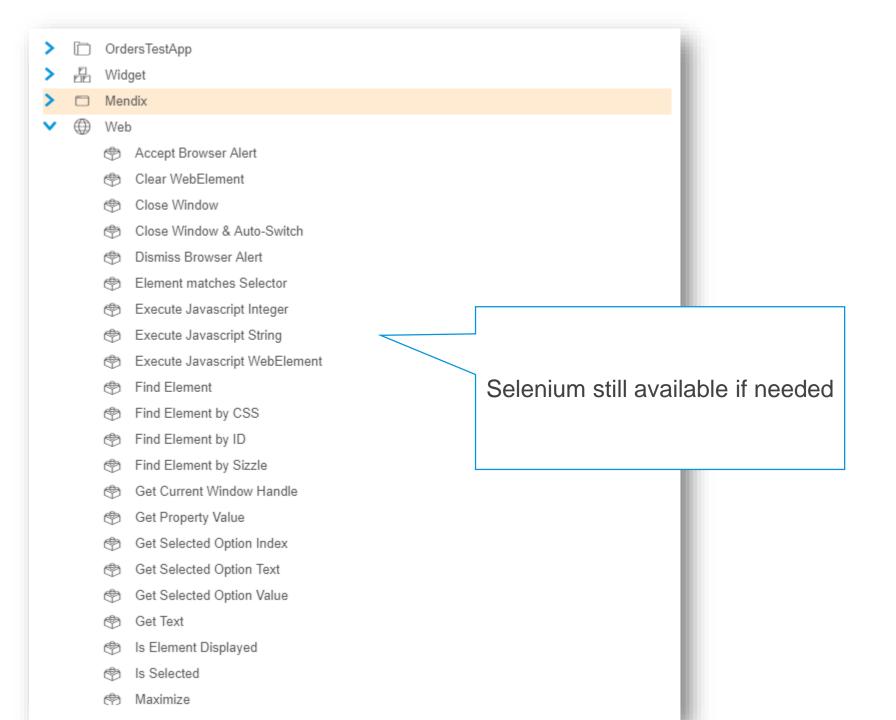


User friendly test script editing



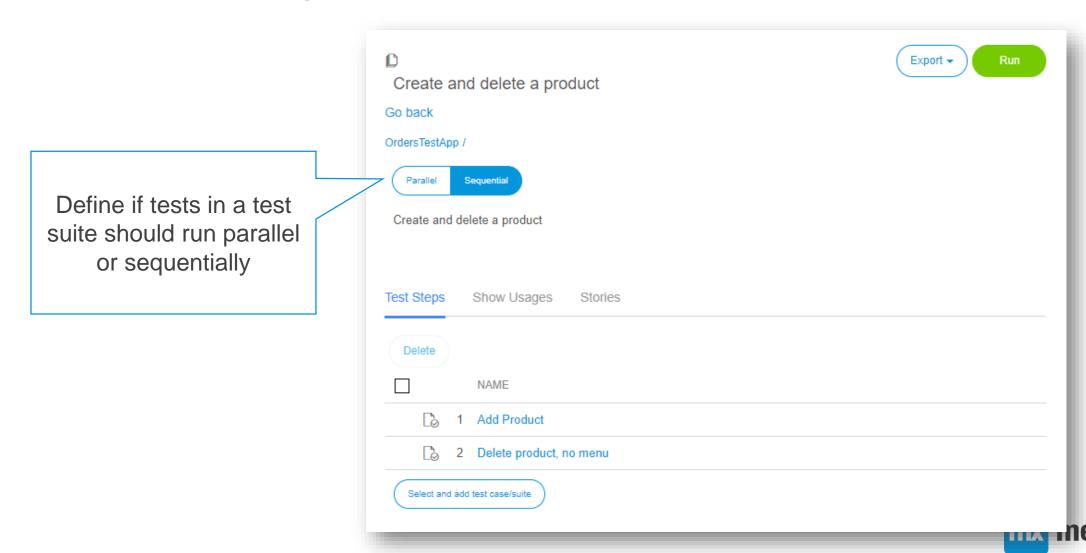
User friendly test script editing



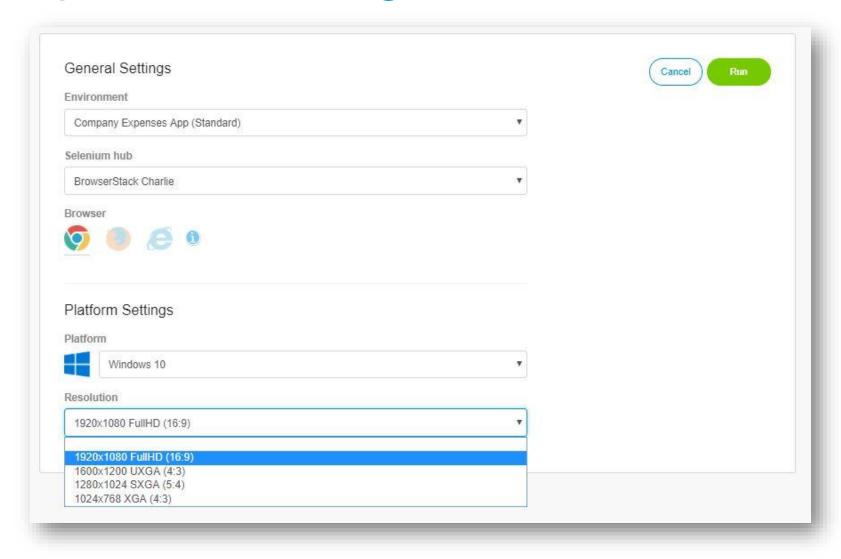




Test Suite Dependencies

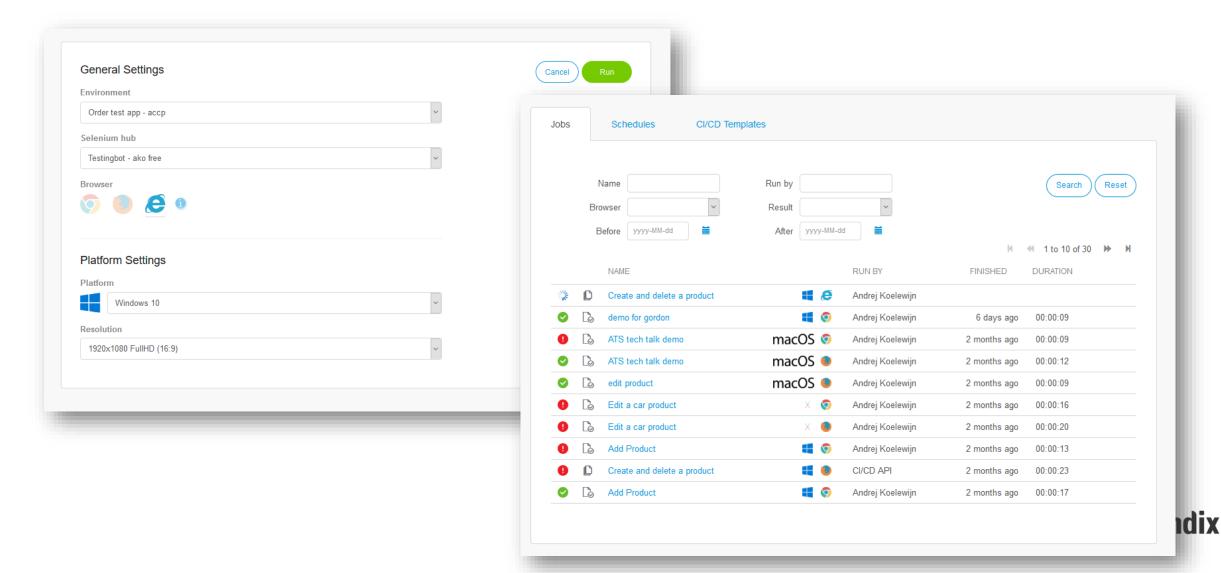


Cross platform testing

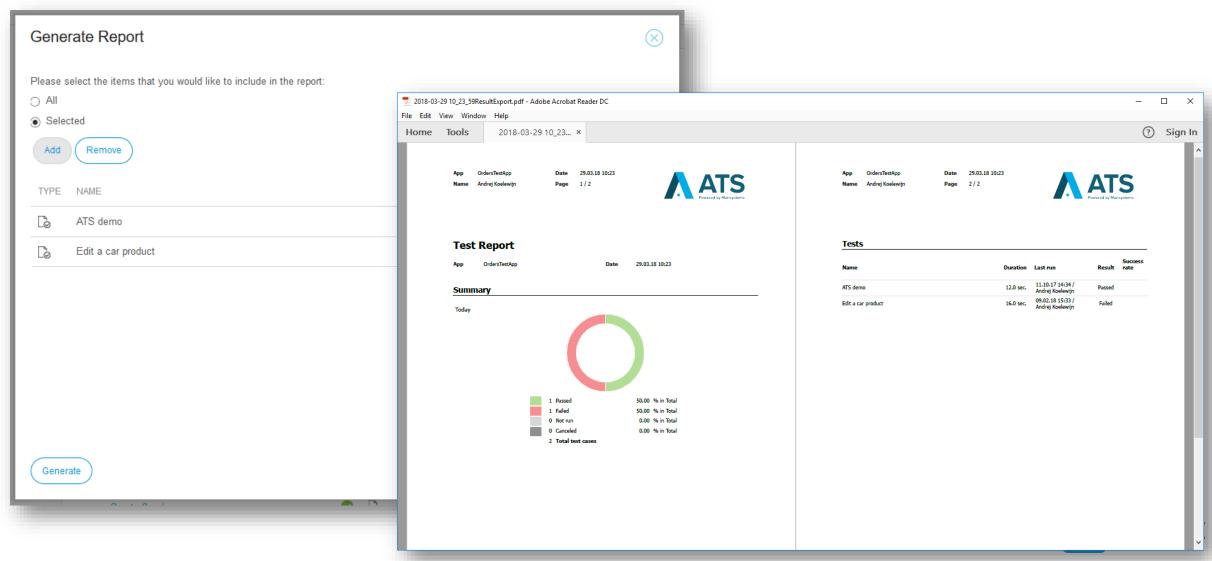




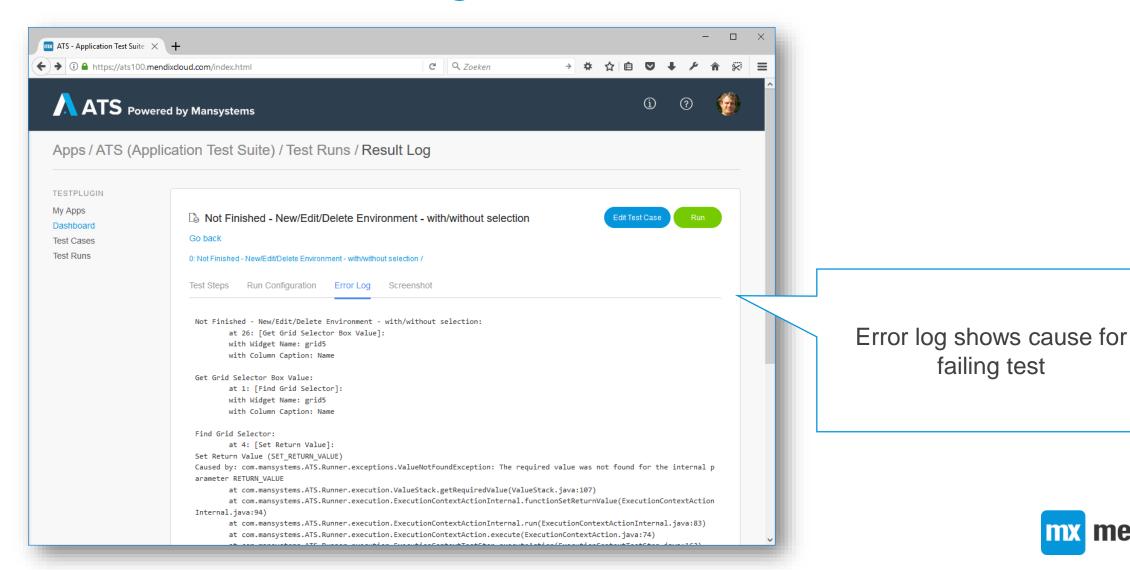
Test your scenarios with Internet Explorer



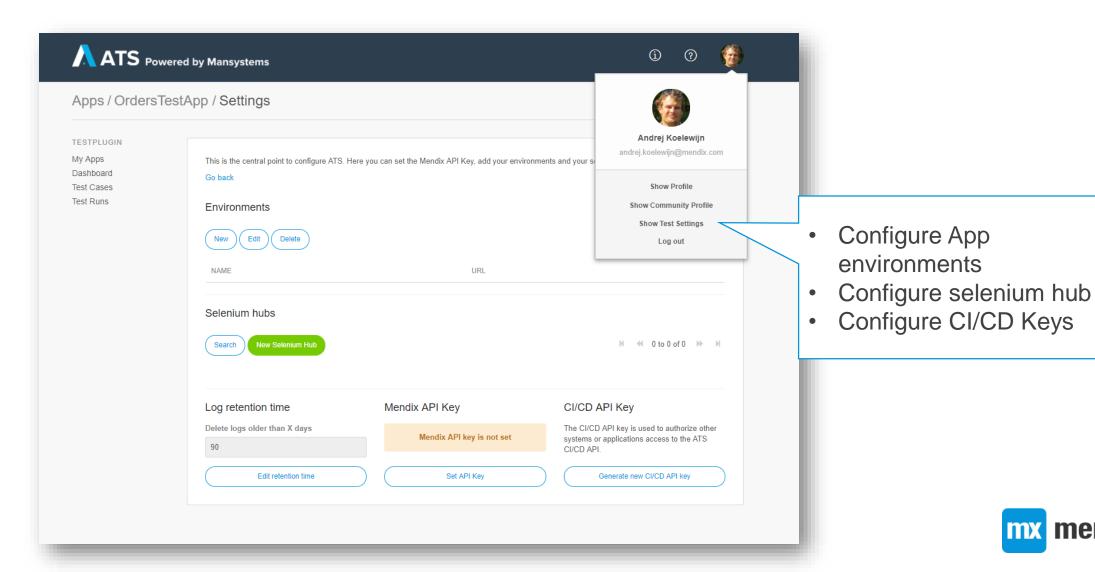
Flexible reporting



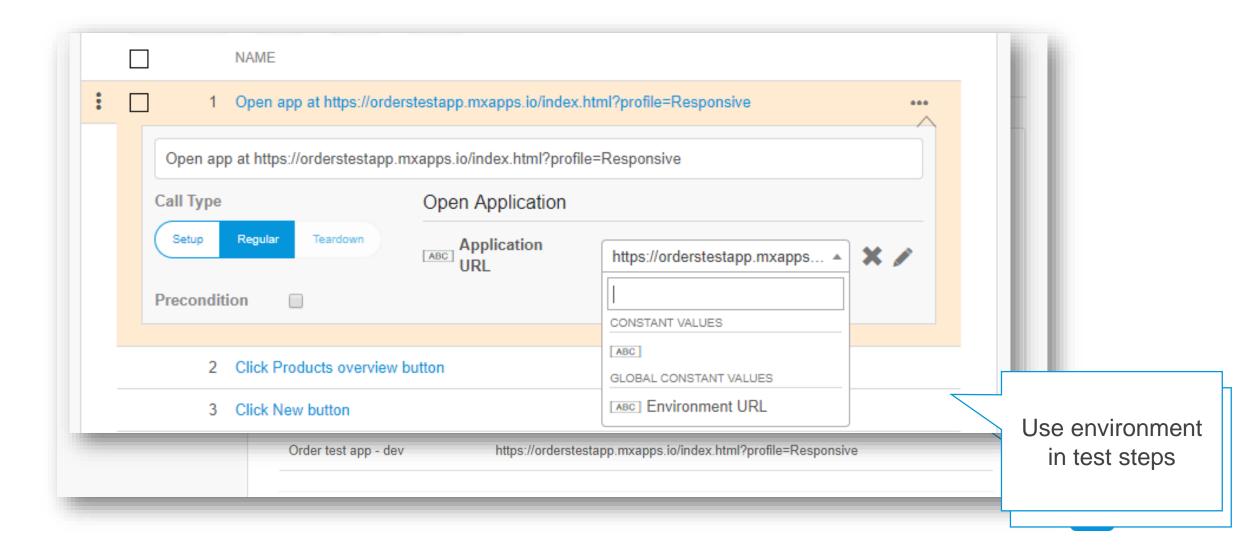
Readable result log



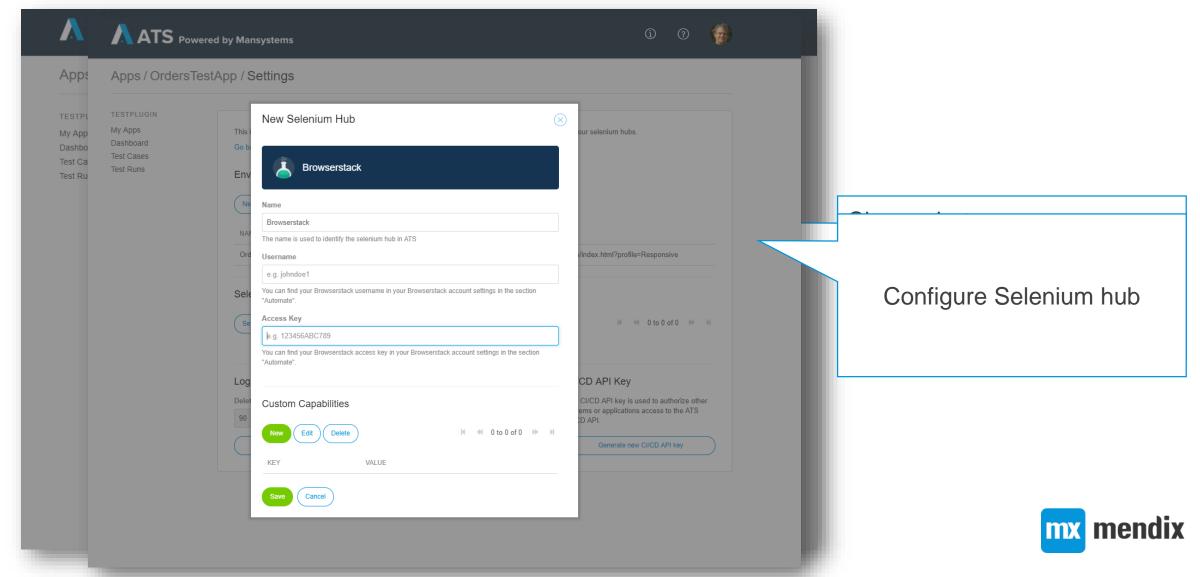
ATS settings



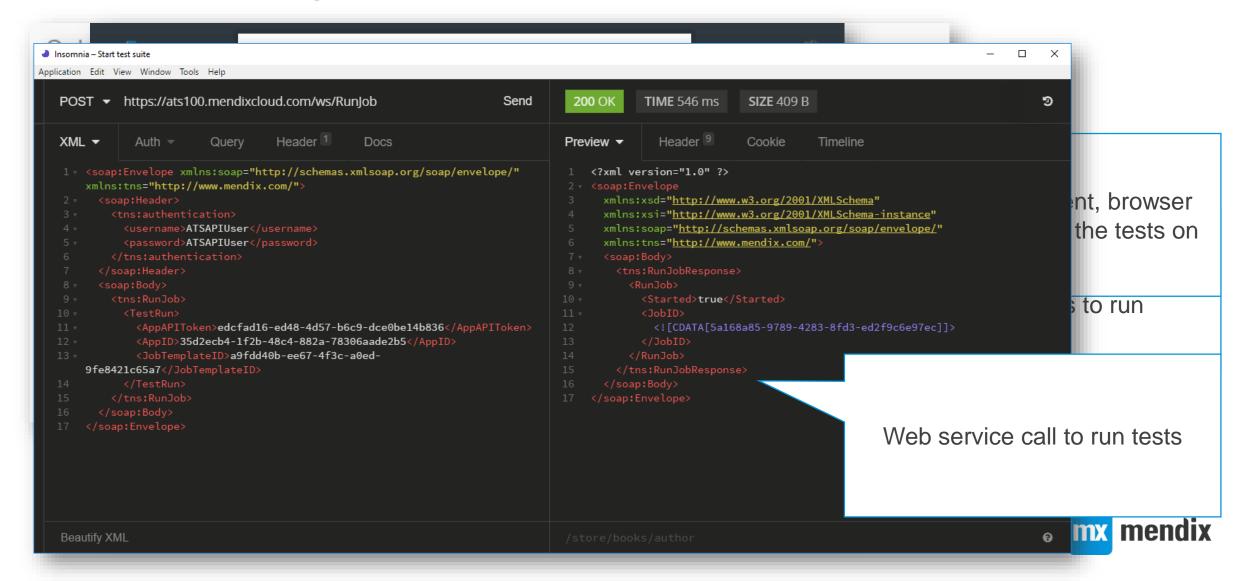
Run test against multiple environments



Configure test provider



CI/CD Templates – web service API to run tests



ATS 2 – summary

- SaaS product: https://ats.mendix.com
- UI improvements reduce effort to create and run tests:
- Improved performance of test runner, so you can validate more tests in less time
- Improved control over test case dependencies:
- CI/CD APIs



Wrap-up



Tips and tricks

- Define your test scripts around Mendix widgets
 - Avoid low-level selenium actions if possible
- Build test scripts as part of your sprint



Easiest way to test Mendix applications

- No installation, 5 minutes to create and run your first tests
- Can be used by anyone involved in Mendix projects
- Improves collaboration: test scripts are readable for anyone
- Create test scripts by recording your actions in the App
- No need for technical HTML knowledge
- Tests do not need to be modified when upgrading Mendix
- Small UI changes do not impact your test scripts



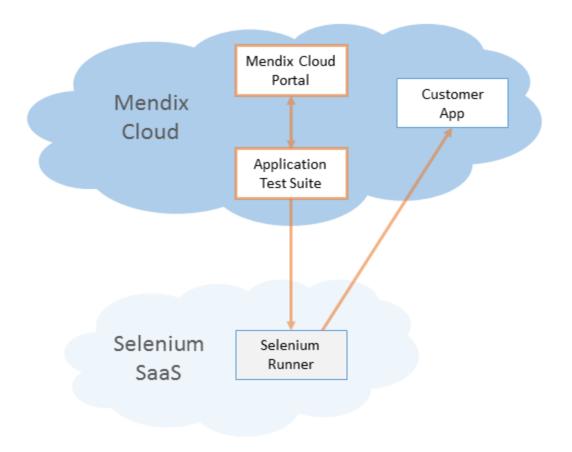




Questions?

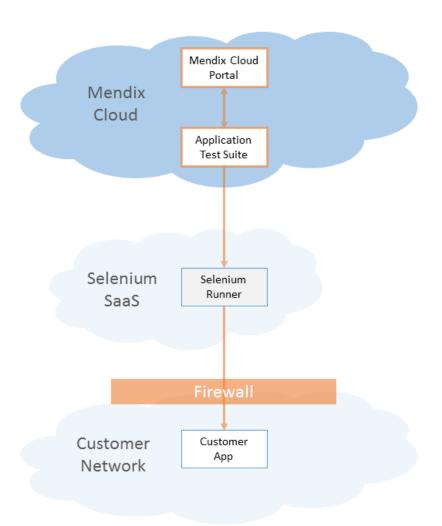


Deployment options – Mendix Cloud



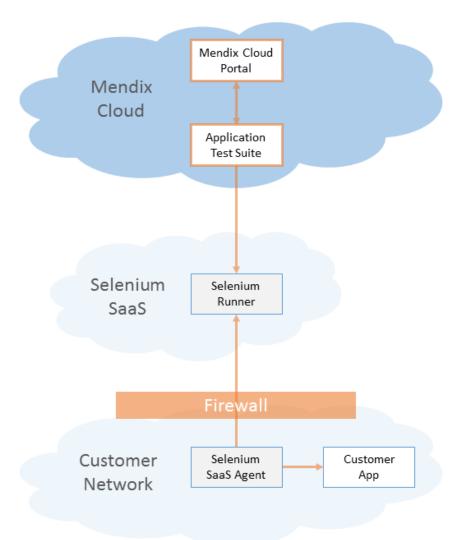


Deployment options – on-prem through firewall





Deployment options – on-prem with agent





Deployment options – on-prem selenium

