

CASE STUDY

ACCELERATING PROGRESS WITH AUTOMATED TESTING

Noesis developed a project for NOS to allow the achievement of efficient and effective test automation, aligning with its long-term goals and ensuring continuous improvement.



Sector

Telecommunications

Business Unit

Devops & Automation

Solution

NTX - Nginx Testing Experience



THE CHALLENGE

The development of digital products using Agile methodologies, resulted in an exponential growth of regression tests followed by the need for more testers and resources. Adding to this, logistical challenges arose to ensure the necessary test coverage of digital products, which involve different browsers for websites and different mobile terminals and OS/versions for apps.

GOALS

- › Non-technical and easy to use tool that allows test automation supported by functional skills;
- › Low maintenance through modular development/configuration allowing for the reutilization of scripts between tests (ex: Login);
- › Null support effort on mobile terminals and desktops/VDI labs;
- › Evidence and test results visibility for squads through JIRA kanban.

Mobile



265

Automated test
Cases of the
regression battery



90%

of the Goal for
automated test
cases



6

Consultants



128 410

Execution Volume

Web



534

Automated test
Cases of the
regression battery



90%

of the Goal for
automated test
cases



9

Consultants



96,033

Execution Volume



SOLUTION

Instantiated the NTX platform interconnected with:

- › Sauce Labs subscription for access to cloud real mobile terminals;
- › Docker Containerized browsers to run tests on Chrome, Edge and Firefox;
- › JIRA with the XRAY plugin (test management) to record every test run with all the evidence (printscreens) for each step.

THE RESULT

- › Non-technical and easy to use tool that allows for test automation supported by functional skills;
- › Execution of WEB tests with great availability, parallelism, and efficiency. By running in Docker containerized browsers;
- › Execution of MOBILE tests with great availability, parallelism, and efficiency. By running on Sauce Labs cloud real mobile terminals;
- › Visibility for Squads of every test execution result through JIRA Kanban with access to all the evidence.



NOS is a future-oriented company, committed to excellence and customer satisfaction. NOS offers state-of-the-art fixed and mobile solutions, television, internet, voice, and data for all market segments, being leaders in cinema distribution and exhibition and the exhibitor with the most complexes and rooms in Portugal.



Noesis is an international tech consulting company with +25 years of experience offering solutions to support companies' businesses and digital transformation. Noesis has an extensive IT services portfolio working in several areas such as IT Ops & Infrastructure, Cloud & Security, Enterprise Solutions, Low-Code Solutions, Data Analytics & AI, DevOps & Automation, Quality Management, Enterprise Application Integration, and Professional Services. The company has +1000 highly specialized talents, operating in six countries: Portugal, Spain, the Netherlands, Brazil, Ireland, and The USA. Noesis is part of Altia Group, listed on the Spanish BME Growth stock market, with more than 3 500 professionals operating in 7 countries and over 20 locations.



NTX - Ngine Testing Experience simplifies the test automation process in an intuitive, fast and versatile way, which means that you can optimise the time-to-market for a solution while reducing costs in your overall development cycle. NTX is a NO-CODE solution allowing non-technical people to implement automation batteries as well as it easily adapts to the specific needs of each market sector.