



# NTX – Nginx Testing Experience

KNOWLEDGE

INNOVATION

SUSTAINABILITY



Noesis

# Our DNA



**25+**  
YEARS OF  
EXPERIENCE



**TOP10**  
MANAGED SERVICES  
TECH COMPANIES (PT)



**800+**  
CONSULTANTS



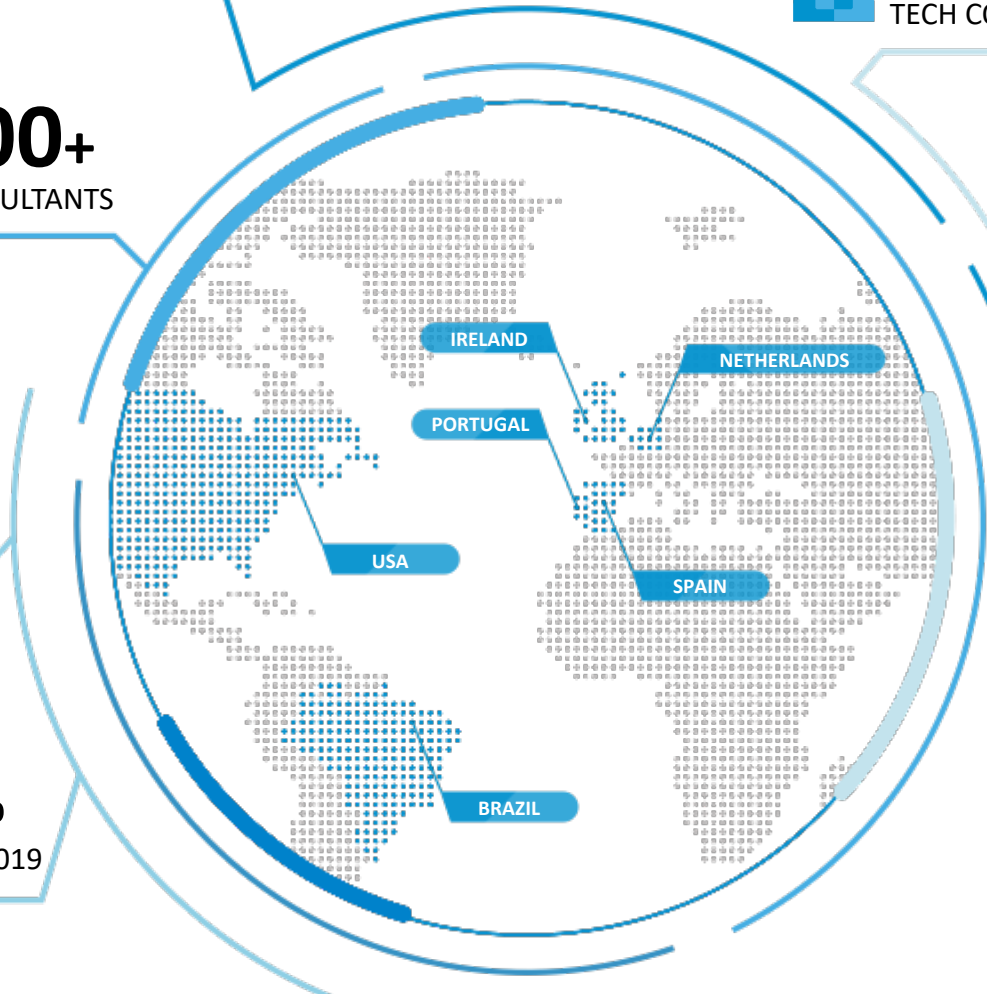
**20+**  
STRATEGIC  
PARTNERS



**7** OFFICES



**17,6%**  
CAGR 2014/2019



**1st**  
Leading QM Services  
Provider in Portugal



**#1**  
#1 Qlik Partner  
in Portugal  
Challenging Partner of the Year



**1st**  
Fujitsu Infrastructure  
Partner of the Year



**1st**  
First Celonis Partner  
in Portugal



**1st**  
Sitecore Experience Award  
Winner (2018/2019)  
Sitecore Hackathon Winner



**12**  
OutSystems  
Innovation Awards



**1st**  
Darktrace Platinum  
Partner

**TECHNOLOGY  
AND INNOVATION  
TO TRANSFORM  
YOUR BUSINESS**

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## Noesis

Delivery focus  
Services & Solutions  
Our Clients

## Business Challenges

## Our Solution

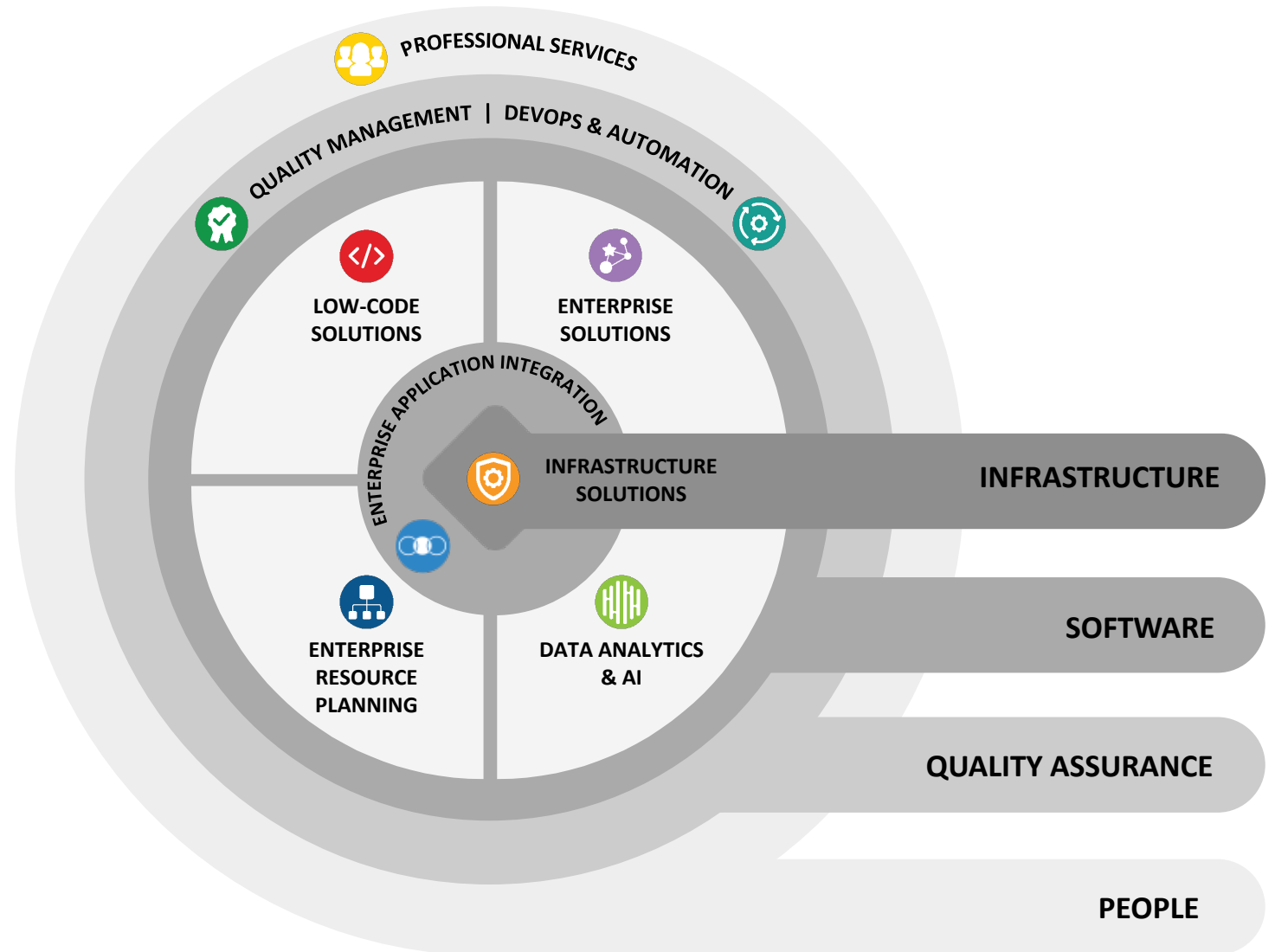
NTX – Nginx Testing Experience  
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Noesis

# Creating sustainable value across all units

Noesis is an **international tech consulting company** offering services and solutions to support clients in **digital transformation** and the development of their businesses.

In order to obtain sustained value that is transversal to all sectors, Noesis is focused on **infrastructure, software, quality assurance** and **people**.



Noesis

# Center of Excellence: a real-shore approach

Noesis' Center of Excellence allows for consistent **onsite**, **onshore**, **nearshore** and **offshore** delivery, in a service-oriented manner which takes full advantage of competences and skills across the team.

This approach elevates practices and optimizes skillsets for clients in a globalized market.



Noesis

# Clients who are growing faster

TELECOM, MEDIA & TECHNOLOGY	FINANCE & INSURANCE	SERVICES & INDUSTRY	HEALTHCARE & PHARMA	CONSUMER PRODUCTS, RETAIL & DISTRIBUTION	ENERGY & UTILITIES	PUBLIC & NON-PROFIT



# NTX – Nginx Testing Experience

# Business Challenges

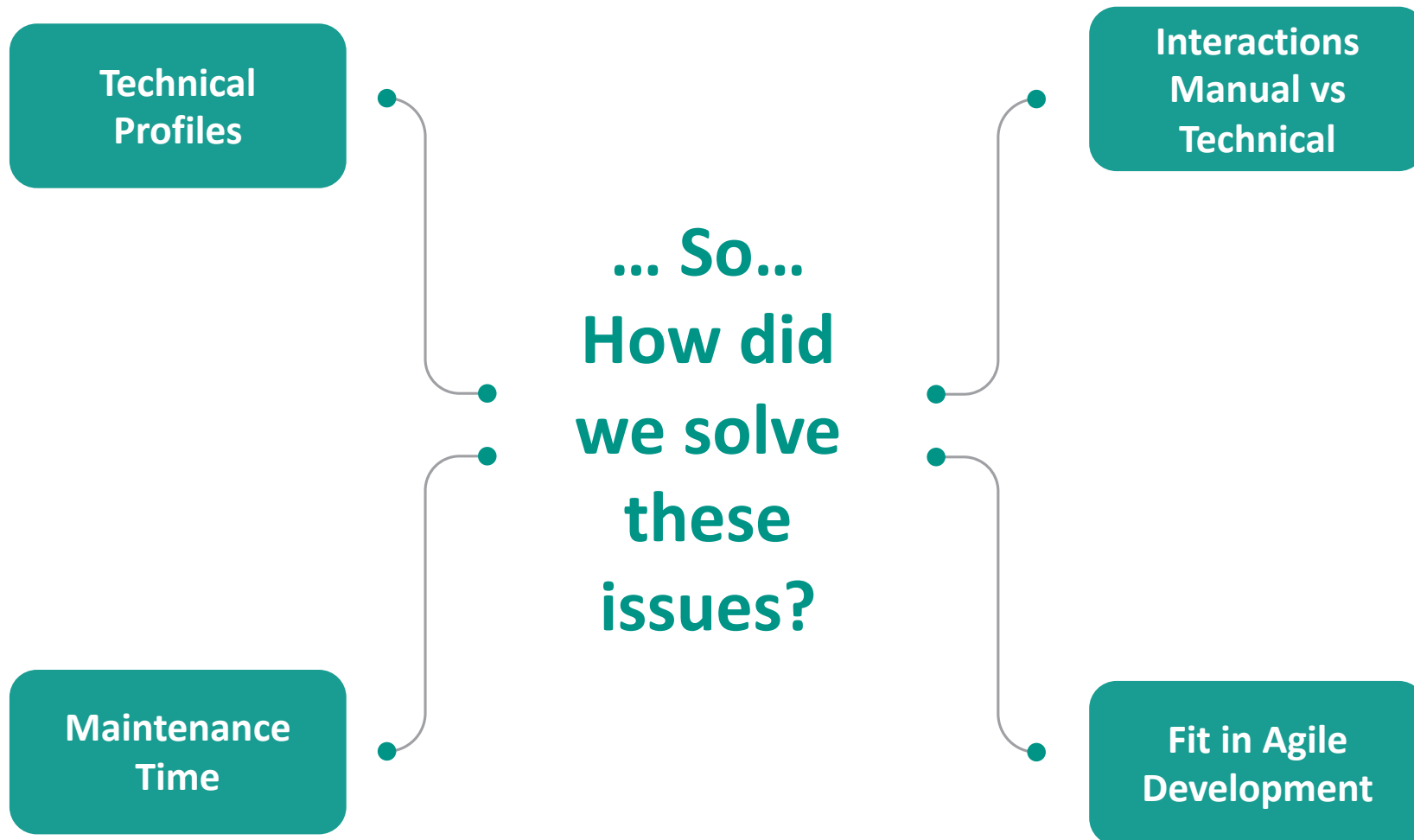
Organisations are constantly feeling pressured to create new value for their customers, followed by sustained innovation and continuous test and error detection and correction.

It is important to focus on improving productivity through accelerated customer feedback cycles, collaborative and continuous development and optimisation of risk management.





# Issues TA in Agile



NTX – Ngine Testing Experience

# NTX | Ngine Testing Experience



Focus on UI and  
Process automation



NO-CODE solution



Allow non-technical people to  
automate Tests



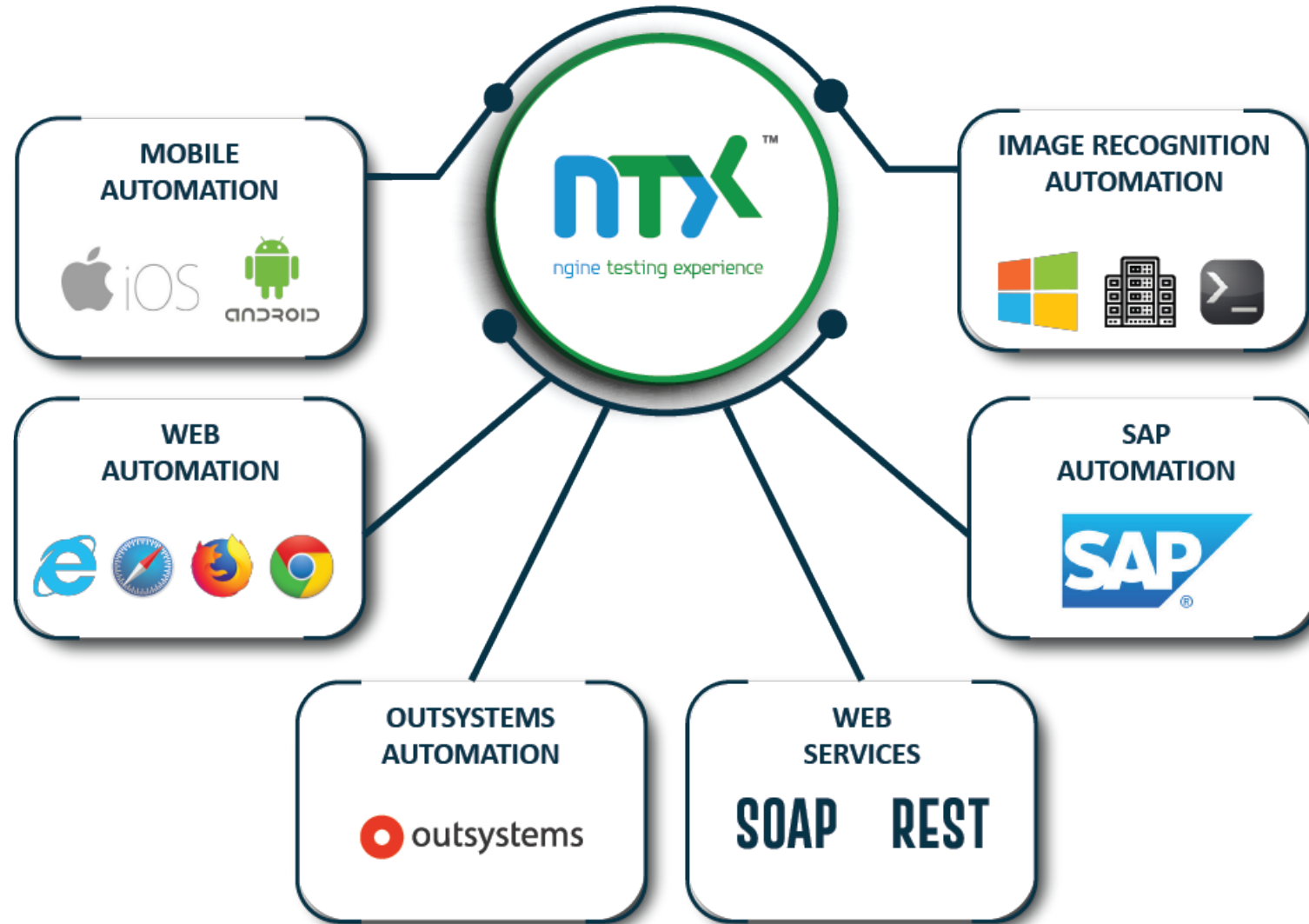
Test & Defect  
management integrated



Specify Automated Tests  
before SW development

NTX – Ngin Testing Experience

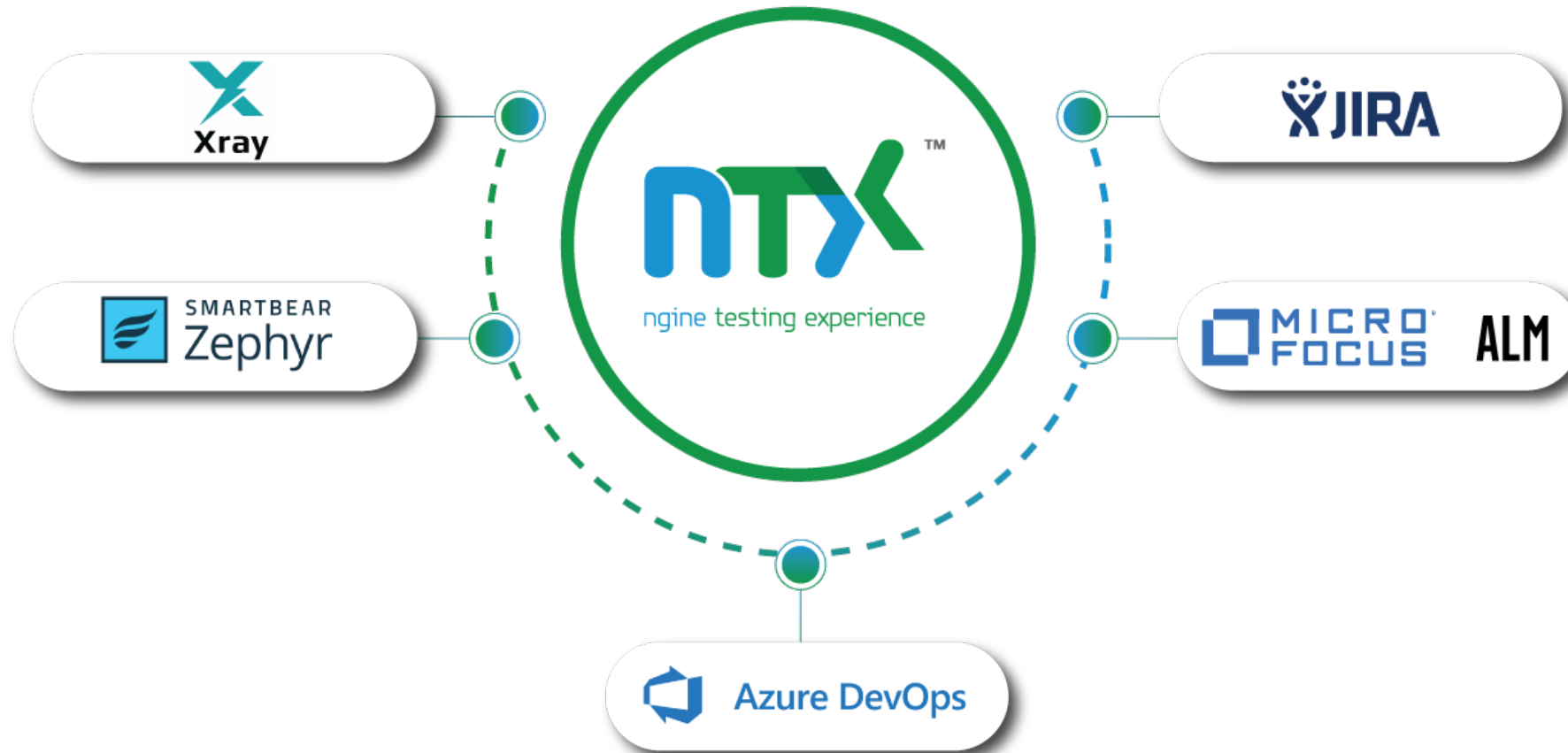
# NTX | Technologies



DB047V03 (28/05/2020)

NTX – Ngin Testing Experience

# NTX | Integrations



DB047V03 (28/05/2020)

NTX – Nginx Testing Experience

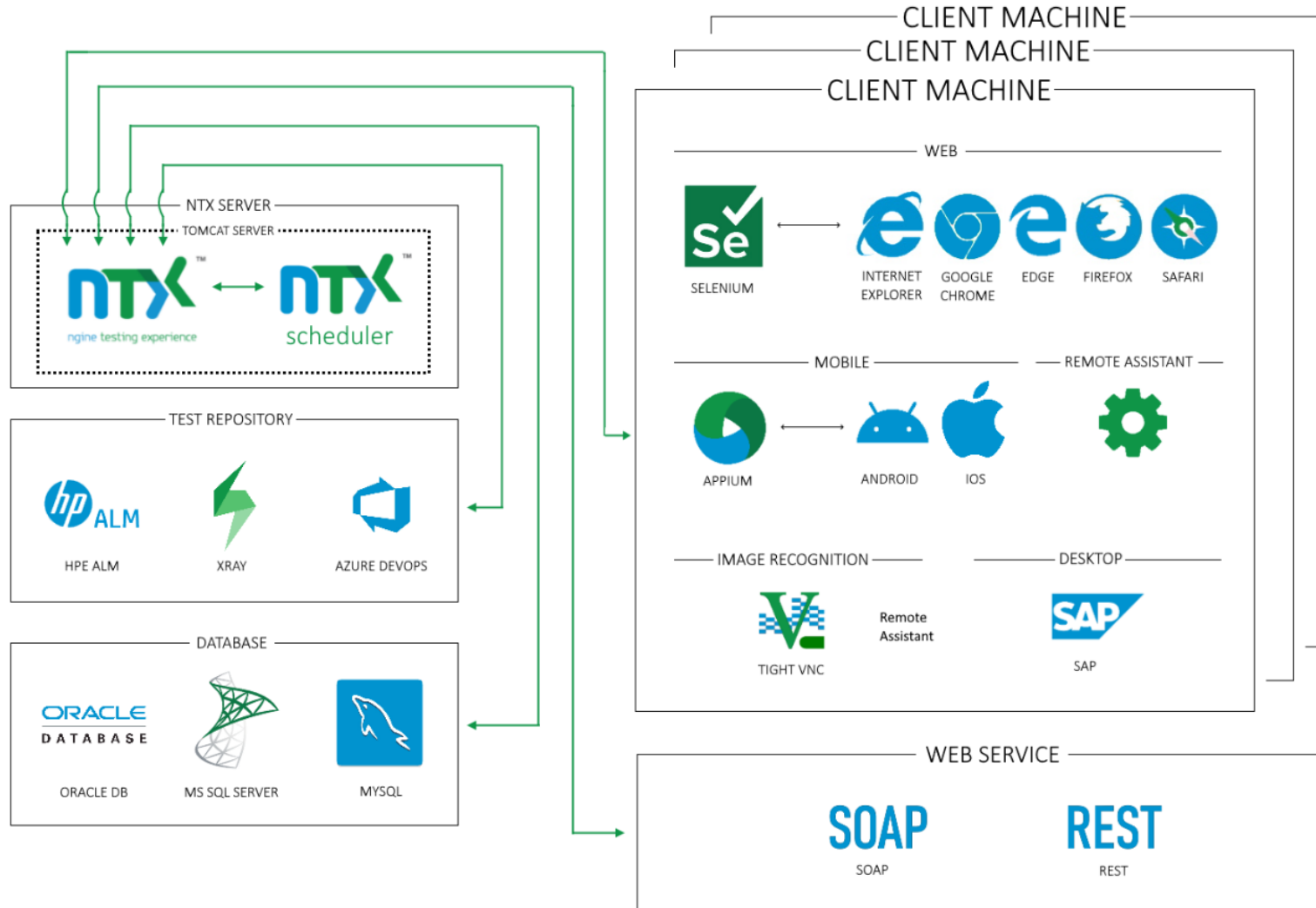
# NTX | Others Integrations



DB047V03 (28/05/2020)

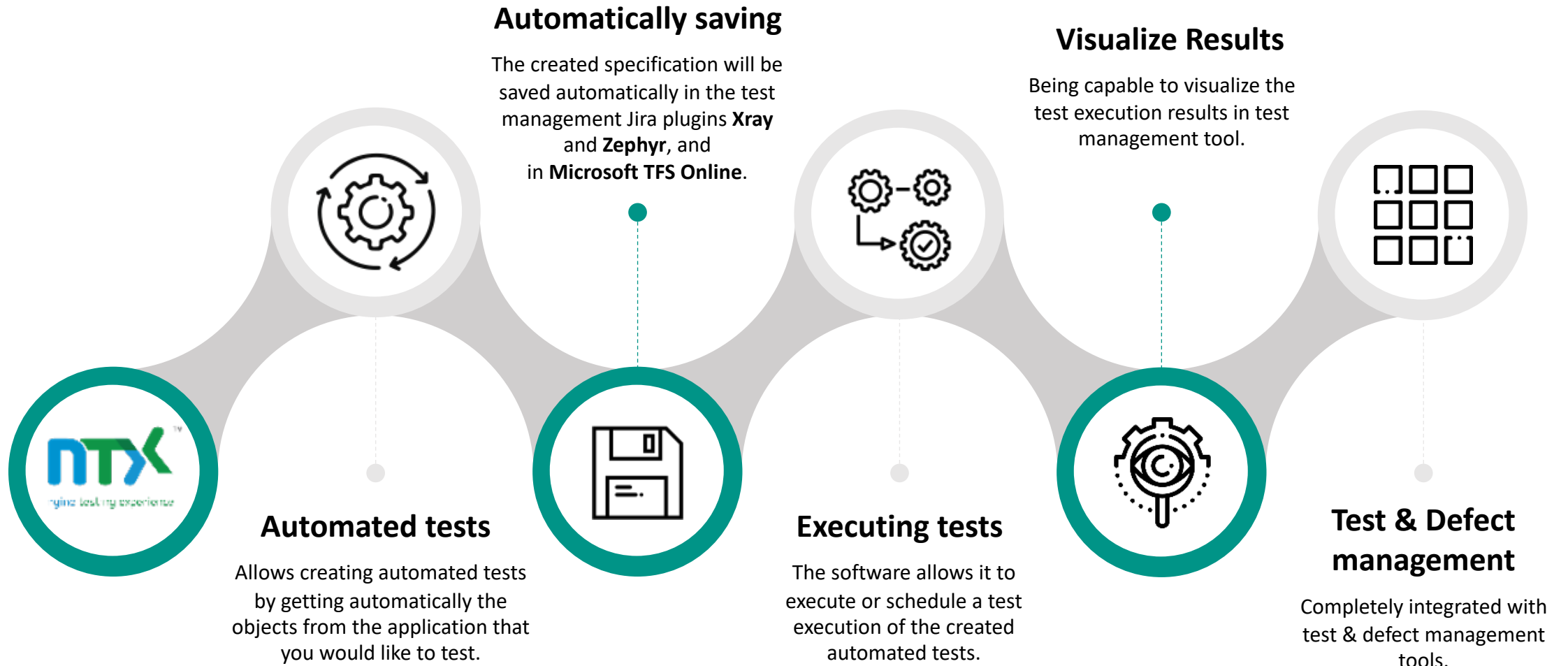
NTX – Nginx Testing Experience

# NTX | Architecture



DB047V03 (28/05/2020)

# NTX | Today



DB047V03 (28/05/2020)

# NTX | Today

## Test case duplication

Option to duplicate the test case.

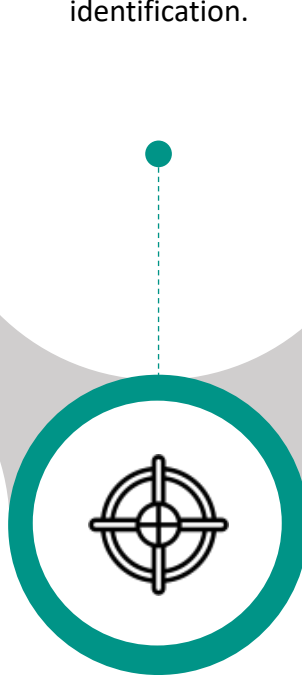


## Data transfer

Possibility to transfer data between the multiple steps and scripts.

## Objects

Automatically objects identification.

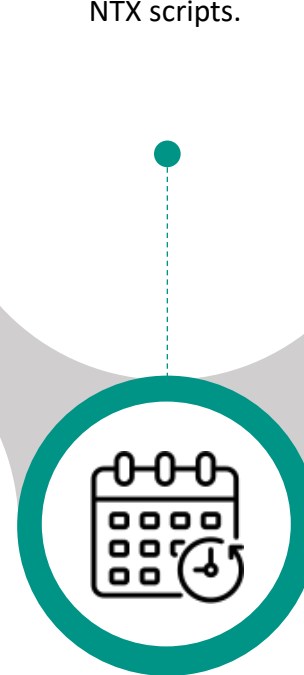


## Datapool

Easy to create a datapool.

## Schedule

Schedule executions of NTX scripts.



## Image

Possibility to automate all technologies by image.



# NTX | Today

## Monitoring

Possibility to execute NTX tests in order to measure applications' availability and requests latency



## Mobile Testing

Automate Tests in iOS and Android



## SauceLabs

Test execution via SauceLabs. Possibility to execute remote mobile testing in several real mobile devices.



## API Testing

Test APIs in NTX: REST or SOAP



## Jenkins

Execute NTX Tests from Jenkins



## Outsystems

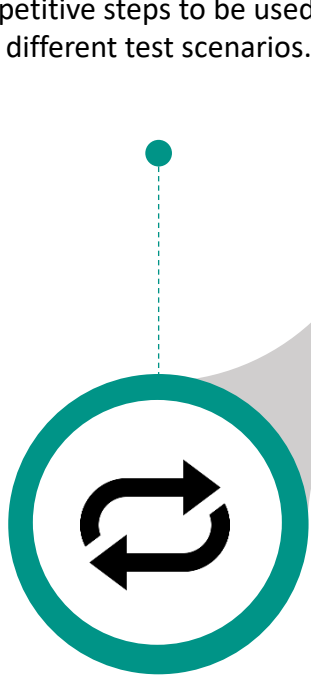
Specific algorithm to capture Outsystems objects, to prevent high effort in maintenance



# NTX | Today

## Test Templates

Possibility to save a set of repetitive steps to be used in different test scenarios.

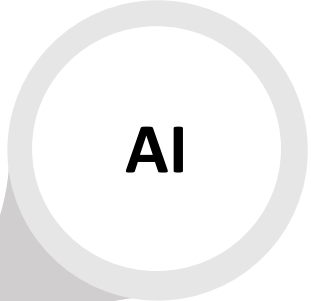


## Record & Play

Possibility to record the process by doing it manually.

## Orchestration

In running a test battery, NTX allows you to run tests of different types (Web, Mobile, SAP, and Others).



## Artificial Intelligence

AI NTX module detects which objects' IDs that causes error in test executions, and changes it automatically to enhance maintainability

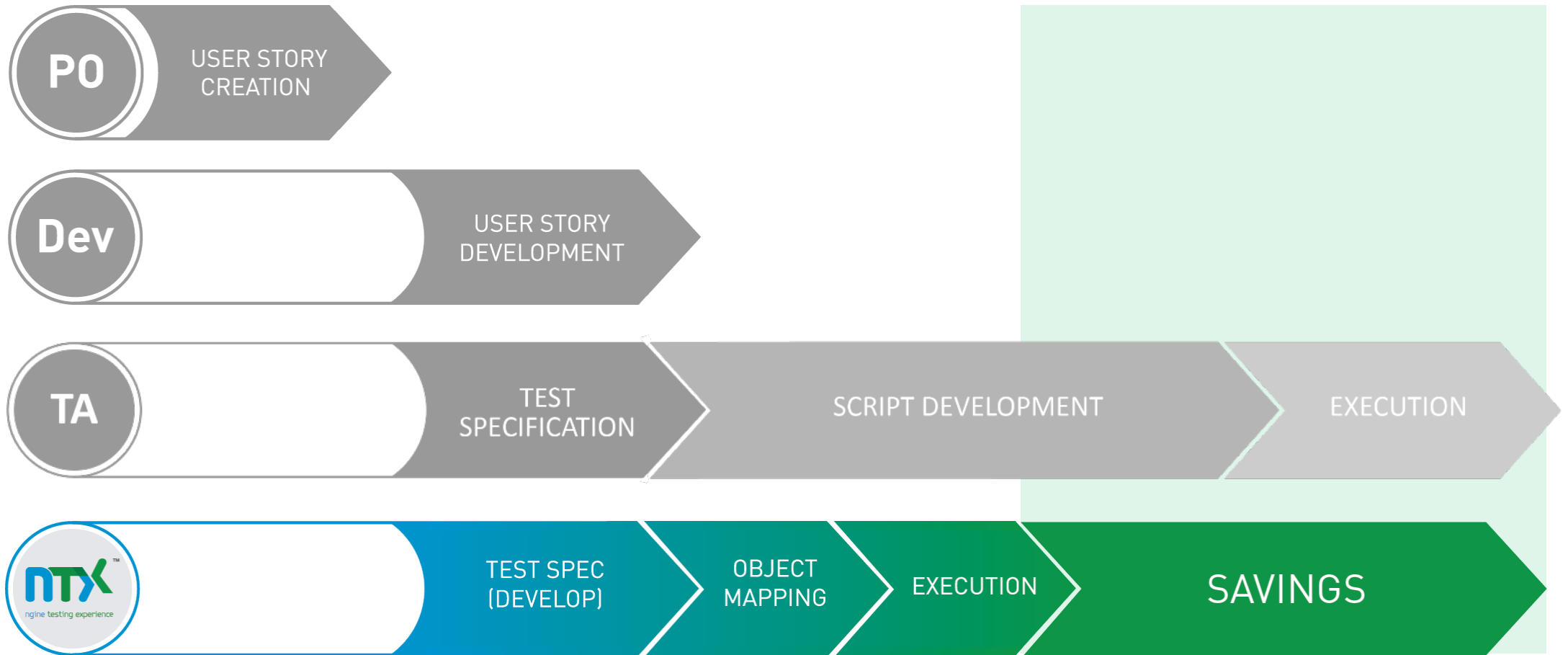
# NTX | Roadmap 2021



- **Test Execution in Containers (Docker) – February 2021**
  - Possibility of execution in Containers, in order to minimize the cost / need for physical and virtual machines
- **GitHub Integration - May 2021**
  - Actions Creations
  - NTX integration in Marketplace
- **IA Parte II – August 2021**
  - NTX will detect which objects fail most often and then automatically change the identifiers for these objects, without human action being required
  - This way the test scenarios will be even more robust, even if the object identifiers change
- **Dashboard – November 2021**
  - NTX new initial page
  - Presentation of some information performed through NTX, such as # of tests created, per week / month; Results of executions / week / month; for each profile different information; Ranking of who created and executed more tests; AI dashboard; among other information

**2021 will be a year of stabilization of the NTX product features**

# Traditional Test Automation vs. NTX



# Advantages



## Non-technical

Non-technical people can automate tests.



## Teams

NTX can be made available for every team that needs to automate tests and it can be used by every team.



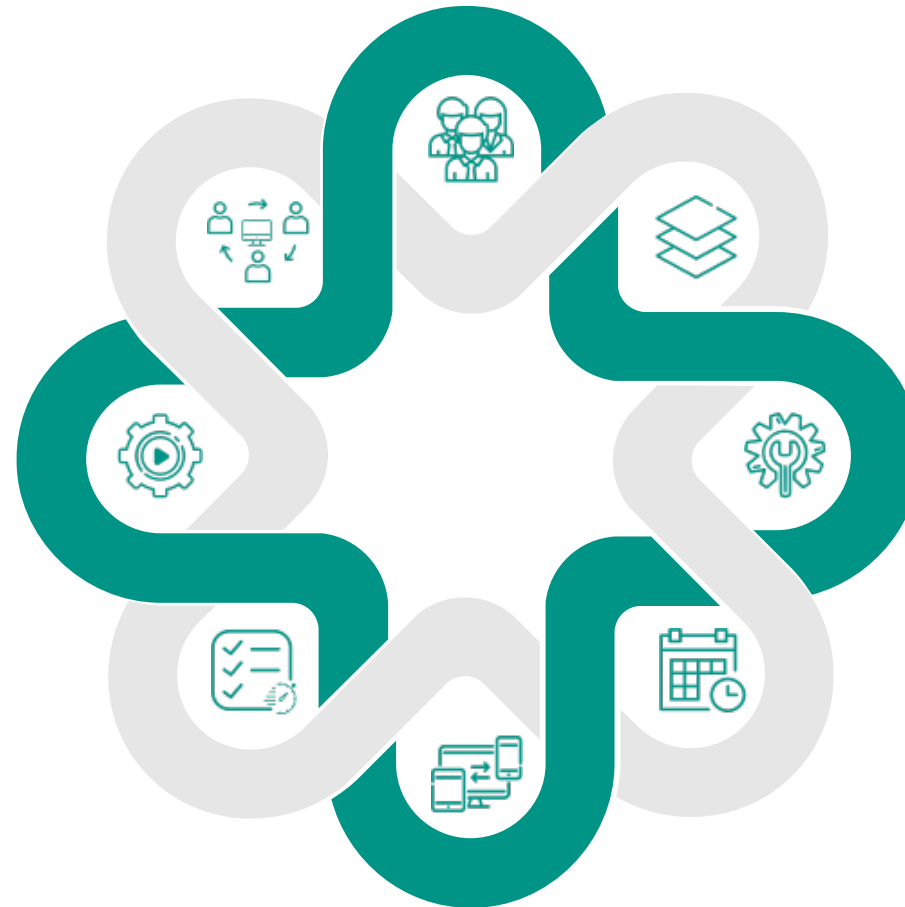
## Results

Test management is integrated with the tests results and automatically executed.



## Create

Every team can create test cases and these may even be specified before the software development.



## Execution



Tests created can be executed in several different environments, like DEV, TST, PPRD & PRD.

## Low effort



The maintenance effort of the test case is low.

## Scheduling



Possibility to schedule test runs to be executed after working hours, the executions history will be saved.

## Run tests



Ability to run tests on all operating systems, browsers and mobile devices.

NTX – Nginx Testing Experience

# NTX Clients



# Success Cases



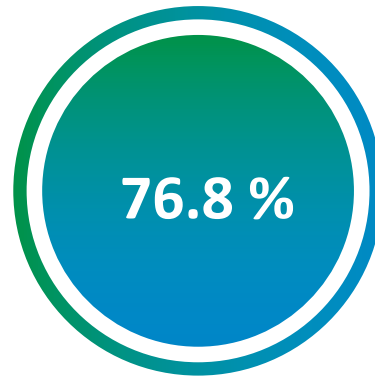
# Success Cases



## Energy e Utilities



Total n.º of automated test (TC) cases



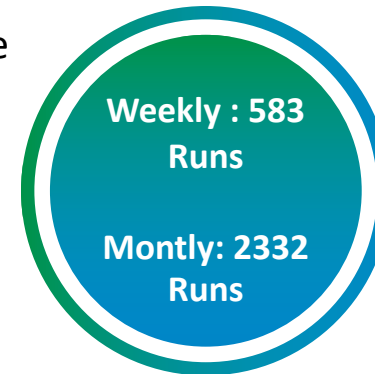
% of automated TC of the regression battery



Estimated development effort of 1 TC using NTX (average)



Nº of people using NTX, for script development



Nº of runs (daily and/or weekly and/or monthly)



# Success Cases



Retail



Total n.º of automated test (TC) cases



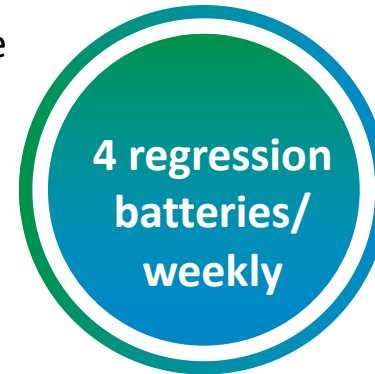
% of automated TC of the regression battery



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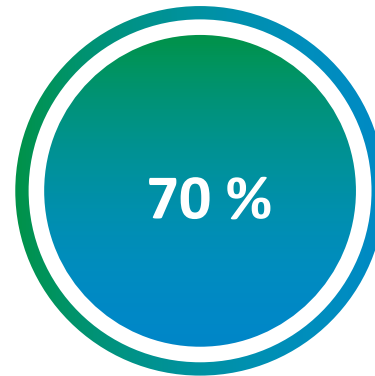
# Success Cases



Banking



Total n.º of automated test (TC) cases



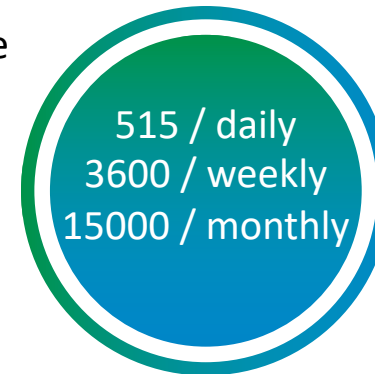
% of automated TC of the regression battery



Estimated development effort of 1 TC using NTX (average)



Nº of people using NTX, for script development



Nº of runs (daily and/or weekly and/or monthly)

# Success Cases



Telecom



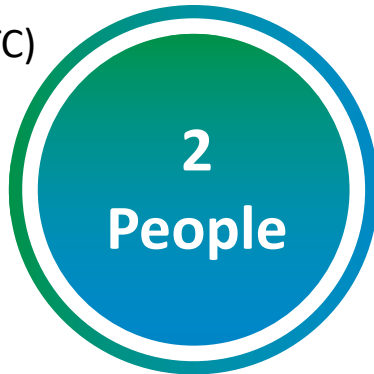
Total n.º of automated test (TC) cases



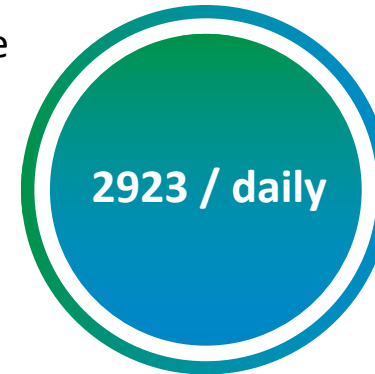
% of automated TC of the regression battery



Estimated development effort of 1 TC using NTX (average)



Nº of people using NTX, for script development



Nº of runs (daily and/or weekly and/or monthly)



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an Altia Company