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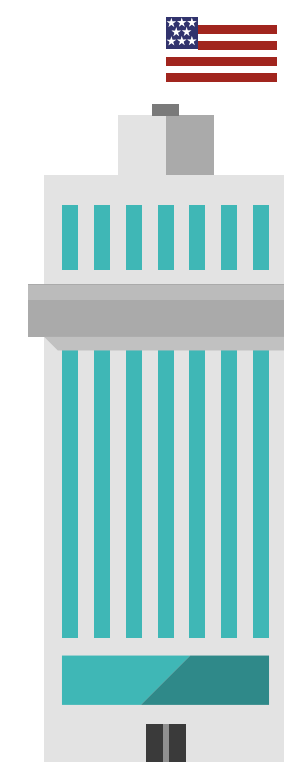
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ÁGILES PROCESSES

1. Trends

With the current adoption of agile methodologies, the production deployment processes have increased exponentially, which implies constant changes in the test cases used to perform the regression tests.

This has led retailers to select different automation tools to suit their particular needs, these tools usually fall short of performing full tests on their POS systems, limiting their coverage.



2. About the client

American chain with more than 100 years of life, currently has almost 300 stores distributed in 16 states of the northern country, presents annual income 4MM USD, with presence also in digital channels offers its customers the entire mix of products and services related to clothing and home.



3. RHISCOM ATN

Company specialized in the automation of testing processes for retail applications, POS, SCO, Mobile, Web, Kiosk, with +50 customers and presence in 12 countries.



4. Problem: Test Case Coverage

The customer chose to use UFT as a case automation tool for its regression tests, this generated as a problem the restriction in the coverage of cases to be automated since it does not provide support to be able to record and run test cases that use any of the physical devices used by its Point of Sale (POS)

Having to resort to the old modality of manual testing with human resources from the QA team. The consequence is the high cost in time and money that it represents to destine these specialized resources to perform this type of tests. In addition to this, the cost of using a complete POS equipment for this purpose.



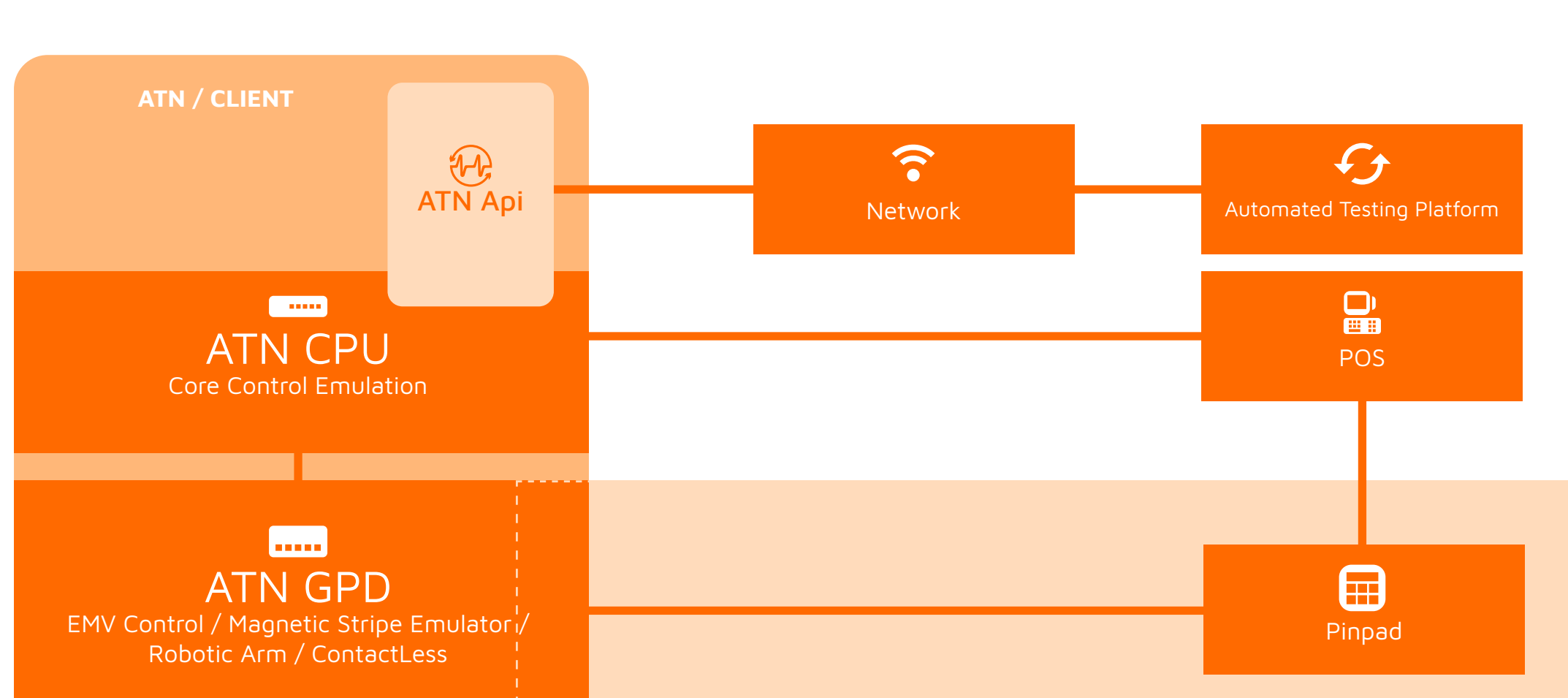
5. Rhiscom ATN Solution

ATaaS offers the ATN-API service, which works transversally to the customers' automation tools (UFT, Selenium, Appium, among others), allowing you to communicate with the devices (emulators, actuators and capturers) that are used by the POS system to run your test cases, this through a standard communication interface.

This API offers through the standard communication methods of HTTP the possibility of establishing communication with the devices but in a direct way, without having to go through a graphic interface layer, allowing any application that uses the same communication protocol to integrate and use ATN-API without any inconvenience.



5.1. ATN-API conceptualization



5.2. Peripherals integrated into this solution

- NCR RJ-11 Cash Drawer
- Datalogic Gryphon GD4400 Scanner
- NCR printer model 7167-7011-9001
- Verifone MX925 Pinpad
 - MSR reader on pinpad
 - EMV reader on pinpad



6. We managed to fully automate test cases

Now the customer has extended the automation coverage of its test cases to its maximum level, being able to generate test plans that can be executed without the supervision of a QA resource and that allows the devices of the POS equipment to be available to its production environment.

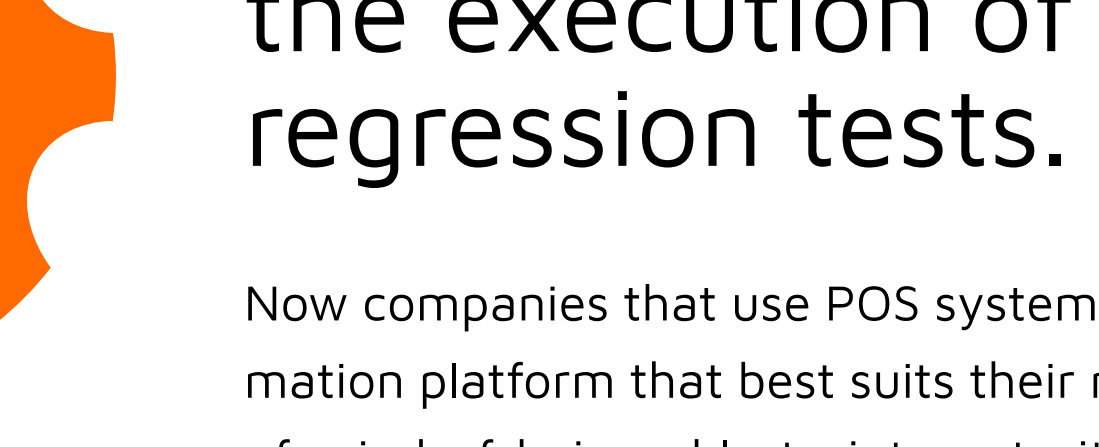
Now companies that use POS systems can select the automation platform that best suits their needs, with the peace of mind of being able to integrate it into this new ATaaS service that provides maximum automation coverage without the need for a human resource to complement the tests and without the need to have their production POS equipment available for this purpose. reducing time, costs and optimizing the execution of their regression tests.

Now companies that use POS systems can select the automation platform that best suits their needs, with the peace of mind of being able to integrate it into this new ATaaS service that provides maximum automation coverage without the need for a human resource to complement the tests and without the need to have their production POS equipment available for this purpose. reducing time, costs and optimizing the execution of their regression tests.



7. Our vision: To reduce time, costs and optimize the execution of your regression tests.

Now companies that use POS systems can select the automation platform that best suits their needs, with the peace of mind of being able to integrate it into this new ATaaS service that provides maximum automation coverage without the need for a human resource to complement the tests and without the need to have their production POS equipment available for this purpose. reducing time, costs and optimizing the execution of their regression tests.



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