

Success story: Eccox APT

Sharing and Reusing the Credit Card Testing Environment.

Client: Large Brazilian Bank.

One of Brazil's largest private financial institutions, with 73,000 service points and branches abroad. It has approximately 26 million current accounts, 63 million savings accounts, and 53 million insurance customers. Its processing is around 80,000 transactions per second, reaching 1.5 billion monthly business transactions. These transactions are processed in the bank's mainframe environment.

Real Success Case:

During the development of a project, the professional responsible for validation performs their unit and integrated tests, always using the development environment. In this scenario, the developer analyst (systems or tests) usually competes for the use of the environment due to the strong demand for testing from a large bank such as Bradesco. In this case, the analyst aimed to validate the cancellation routine of a physical card of the bank. Among the necessary processes, the mass used was not reused at the end of the test. To start another test, it is required to perform all test procedures again, from the request for a new card to your new cancellation process. This cycle was repeated with each card cancellation test. The simulation of the real environment aims at the perfect integrity of the card cancellation routine. The test's success represents the end user's trust in this traditional banking institution.

Method used:

With the Eccox APT solution, it was possible to identify all components related to the cards' cancellation flow through the process called APT Discovery and **ensure the reuse of the test masses** initially created for this purpose. APT can clone the components of a structured test as often as necessary in its own repositories called "containers." With each test performed by the analyst, it is possible to execute replace in the databases involved immediately, retrieve the data from the original tables and thus restart the tests according to the project demand (correction/adjustments in the codes involved).



Technology that delivers results.

Times:

Standard real-time for building the integrated environment (and running the test):

- Without Eccox APT, the time for the total cycle of testing and validation of this application is around 2 to 3 days.

Real-time with APT for building the integrated environment (and running the test):

- With the use of Eccox APT, the above time was drastically reduced, staying around 10 to 15 minutes due to product automation.

About APT:

The user has full autonomy in the setup process for provisioning your application's Tests.

Allows test users to change database data without relying on other areas.

Reduces project delays, as tests can be performed at any time.

ZERO impact on the databases of the original environment.

ZERO dependence on other areas or knowledge in Mainframe to perform discovery (an automatic process of discovery of program or transaction relationships to be tested in an integrated way).

Mapping hundreds of interrelated components immediately allows the result to be checked, evaluated, and modified if necessary.

Containers become assets of the development and testing environment and can be reused immediately at any time. Therefore, the APT user can save only container structures and reload data, programs, transactions, and JCLs at the time of the new test.