

User Case: Eccox APT

Testing stages during the development of applications on a large scale.

Client: International banking financial institution.

Real Success Case:

During the tests of the developed applications or when they undergo maintenance/improvements, the test steps that depend on services/data from other applications make the elaboration of the test environment time-consuming and expensive. Moreover, as there is dependence on other areas, it usually takes weeks for data provisioning to attend to this environment construction.

As an alternative, developers end up manipulating their own databases to be compatible with data from corporate systems. And this effort of absolute replication, even with total replication techniques in the Cloud, reveals over time that there is no appropriate TEM (Test Environment Management) in unison with all areas of development. The prospect of automating the discovery of integrated components within a test environment shared between development and testing teams led this client to use Eccox APT.

Method used:

Based on the application within the payroll system of this international financial institution, with the use of Eccox APT, during the Discovery process, the discovery of all services and bases that the application in maintenance/development accesses was performed, thus allowing cloning of the test components into their own container, without depending on other areas that should not be involved. This effort is ZERO, or marginal on the part of the Analyst/Tester, as the intelligence of the Eccox APT for gathering application requirements is very fast and automated. In addition, all cloned components become active for the container owner (repository of integrated components of a specific test that can be shared without losing data integrity and program versions), giving full autonomy to manipulate the databases without dependence on other areas, as mentioned.



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 test cycle of this application is around 2 to 3 weeks due to the SLAs of the areas involved, cloned data from the real environment, and other priorities of the production environment that act to the detriment of the development environment, testing, and approval.

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

- Já com o uso do Eccox APT, o tempo acima reduziu drasticamente ficando em torno de 10 a 15 minutos devido à automação do produto.

About APT:

The user has full autonomy in building the Setup for the Provisioning of Tests for his application.

Allows test users to make changes to data in databases without dependence on other areas.

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

ZERO impact on original environment databases.

ZERO dependence on other areas or knowledge in Mainframe to perform discovery (an automatic process of discovering 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.

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