

How STR-iCT helps our customers improve the security of their IBM i and their network



True Story 3: How STR-iCT Enabled Our Client to Identify Inappropriate Changes in Their Database

Our client

Our client is a world-class tertiary group. It manages many IBM i partitions.

The context

Our client did not understand some changes made on the basis of the production system data: by whom, when and how. He wanted to have traceability on all changes to the database: use of commands (such as DFU's UPDDTA), SQL queries issued in ODBC/JDBC and even logging of all changes on certain fields of the database (containing IBANs, for example).

We set up the appropriate **STR-iCT** probes (Exit Point for ODBC/JDBC SQL traceability), use of commands and Legacy to plot all changes on the data in the column containing the IBANs.

STR-iCT quickly identified that some employees were working directly on the production systems database.

The risk

The risk consisted of:

- Embezzlement by changing IBANs before a transfer, then after to return to the initial state
- Database corruption by deteriorating data consistency
- Circumventing the control processes imposed by the various regulations and standards and exposing the company to significant fines, and even the withdrawal of approvals

Knowledge of direct actions based on production data was decisive in identifying the origin of the malice. Remediation consisting of adapting the authorisations of the persons concerned (as well as an awareness of the manipulation of production data) quickly eliminated untimely data changes. Knowing that all actions are mapped out is also a good deterrent!

REMEMBER

STR-iCT makes it possible to identify and trace a wide range of actions carried out on the database and on the system.

This traceability makes it possible to understand, after the fact, past events and to determine whether it is ignorance, a handling error, a desire to harm or a criminal act.

Knowing that they are being monitored by STR-iCT makes potential fraudsters reluctant to commit their misdeeds. STR-iCT is a great deterrent!



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