



Case study

Draining the Data Sea



Reducing Risks & Cutting Costs in Banking

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Customer Problem

Our customer, the US division of a large bank, was facing a paradoxical problem of success: with business growth came an increase in data risks, as the division became a more lucrative target for hackers, and of greater interest to privacy regulators.

The division's head of data platforms engaged Protecto, expressing special concern about the division's data warehouse, which had grown to billions of rows of data but without an equal growth in security and risk management controls. Their initial goal was to improve their cyber hygiene, but as they dug deeper, their core problems became clear:

- Their data warehouse had become bloated and difficult to manage after years of growth. Some of their data had gone stale – but they didn't know which data was stale.
- The bank's growth meant a greater number of data warehouse users. The data platforms team wanted to limit access to sensitive data – but they didn't know which data sources were sensitive.
- The risk of data breaches increased with every increase in headcount. The team wanted to remove inactive users – but they relied upon 100% manual processes conducted only once a quarter.



Protecto's Solution

The first and most critical step was providing the client's data platforms team with a comprehensive overview of their data. Protecto software platform gave them the ability to improve and track the progress impact of their data protection efforts.

Next, Protecto leveraged the data protection platform to make a series of strategic improvements to their data protection plan:

- Protecto mapped all the data in the data warehouse. This effort gave the team a complete, holistic view of their data, granular to the database table level. This gave the team unprecedented insight into which databases and tables had sensitive data.
- Protecto showed the client all the stale data which hadn't been used for the previous 90 days. The results were spectacular: a first scan **found that over 60% of the data wasn't used**, and should be archived.
- Protecto created a comprehensive data matrix highlighting a list of users with access to high-risk data in the client's warehouse. This matrix provided the team with an automated method for removing **inactive users**

The results were immediate and apparent: the head of data platforms now had unprecedented visibility into the data risks facing the division, with granularity down to the individual user and database table level. This gave the data platform teams the resources necessary to make data protection and cyber hygiene a core part of the division's operating culture.

Lessons Learned

Our client's data risks problems are not unusual – reading the case, you may have recognized some of them in your firm too.



The first and most important data risk facing organizations today comes from not knowing where your risks are. You may have great analytics and insight into your data warehouse – but do you know the exact data risks in every single one of your databases and tables and for each of your data users?

That's where Protecto comes in. We work with your team to develop a comprehensive and in-depth mapping of your data and the attendant risks, shaping our work around your business needs. With the data map in place, we can move on to providing high-value data protection solutions to you and your firm.