Data and Analytics Security and Compliance Service

Overview

As business intelligence and analytical applications become more powerful and easier to use, many organizations have growing concerns about data protection and meeting data privacy regulations. For example, while some databases feature data masking capabilities, analytical tools can be used to perform repetitive queries (inferencing) that narrow down the range of possible values until the hidden masked value is exposed.

Teleran helps organizations determine its most sensitive data, audit user queries, and build and apply real-time data protection and masking policies. Adherence to data security and compliance policies can be enforced through deployment of the Teleran Data Protection solution.

Teleran's Approach

Teleran's data and query monitoring capabilities are automated in a non-obtrusive patented software tool. The tool performs the following functions:

- Identifies suspicious inappropriate behavior by users through auditing and reporting.
- Prevents individuals from changing or manipulating data in the database by providing a policy action engine.
- Prevents individuals from granting widespread access to sensitive data.
- Prevents individuals from using masked or redacted data as search criteria (eliminating data discovery through inferencing).
- Provides a messaging system that can warn users when their queries are out of compliance with established standards.
- Helps identify likely sensitive data.

Teleran Services works with you to set up the tool and align its use to your organization's needs and standards. We can also provide follow-on monitoring engagements to determine changes in behavior among the user base and fine-tune the effectiveness of the tool.

Service Deliverables

Teleran will work with your team to install our software on your servers. We will run the reports and will gather needed information to develop a data protection strategy. You will receive the following as part of this service:

- A summary report of the key metrics that Teleran gathered for your current data and analytics environment.
- Recommendations regarding likely sensitive data that needs to be protected.
- An audit report of how identified sensitive data is currently being accessed and by whom.
- Help in setting up the tool's policy action engine and messaging system customized to your data security and compliance policies.
- Suggestions regarding best practices for continued auditing that you should use going forward.

Teleran Service Benefits

In similar engagements with us, business analysts at our clients became better aware of the data security and compliance rules in place and desired behavior within their organizations. The IT organizations at our clients were able to achieve the following:

- A better understanding of their most sensitive data.
- An improved ability to enforce compliance standards.
- Established real-time proactive measures to protect sensitive data through techniques such as dynamic data masking.
- Achieved improved perception regarding their ability to manage the security of their data and analytics environment.

For More Information

For more information on how Teleran Data Protection with Dynamic Data Masking can help you deliver a more secure data and analytics solution, visit www.teleran.com or call 1-973-439-1820.