

Detailed Use Case Description: Attribute Search User Query Redaction Feedback Loop

Use Case

Attribute Search is designed to help investigators find “needle in a haystack” moments in body-worn video by enabling natural-language search over objective clothing and accessory attributes, such as “black hoodie” or “purple backpack,” and returning ranked person-appearance thumbnails that help users jump directly to relevant points in video. This use case is intended to help Axon understand whether Attribute Search is helping users reach relevant evidence faster and with fewer iterations, while minimizing privacy risk. For eligible customers, Axon may review a privacy-protected version of search activity in which the original search query is sanitized before review. Raw user queries are not stored.

Customer Benefit

This use case helps Axon improve Attribute Search by identifying common search patterns, where users abandon searches, and where results may not be useful enough early in the ranking. The purpose is understanding whether Attribute Search is helping users find relevant evidence faster and where it falls short, including low-confidence result sets, frequent abandonment, and poor first-click position.

Data Accessed

For eligible use of this feature, Axon may access the user’s search query and limited context about the search results. This includes a pseudonymized organization identifier, a pseudonymized user identifier, the sanitized query text, whether the user clicked a result or abandoned the search, the confidence scores associated with returned results, and the date of the search.

How Axon Uses the Data

Axon uses this information to understand how Attribute Search is being used, what kinds of objective appearance-based evidence users are seeking, and where the experience succeeds or falls short. Axon personnel may review sanitized query records and associated search-outcome context to improve search quality, identify product gaps, and prioritize product improvements. This use case is for product improvement and analytics only. It does not change the customer’s live search experience.

Privacy-Preserving Technique

Before a query is reviewed, personally identifiable information is removed and replaced with synthetic stand-ins so the query remains understandable without preserving the original identifiers. For example, the search query “John MacArthur in a red hoodie” becomes “John Doe in a red hoodie.” The system is designed so raw user queries are never stored, and partner and user identifiers are pseudonymized before review outside the customer boundary.

Data Schema

The reviewed data is as follows:

- Organization ID: a pseudonymized identifier for the customer organization.
- User ID: a pseudonymized identifier for the user.
- Sanitized Query: the search query after personal information has been removed and replaced with synthetic stand-ins.
- Search Outcome: whether the user clicked a result, and if so which one, or whether the search was abandoned.
- Results Confidence Scores: confidence values associated with the returned results.
- Date: the calendar date of the search.

Examples of What May Be Reviewed

A reviewed record may include a sanitized query such as “black hoodie — suspect John Doe,” “purple backpack seen near 123 Oak Street,” or “yellow jacket, plate ABC-1234 in notes,” together with search-outcome context such as whether the user clicked a result or abandoned the search, result confidence scores, and the date. The retained content is intended to preserve objective clothing and accessory descriptors and other non-identifying tokens so the query remains useful for human review.

Examples of What Is Not Retained in Original Form

This use case is not intended to retain raw user queries. It is also not intended to retain real names, real addresses, real phone numbers, real email addresses, real dates of birth, real case numbers, real incident or call identifiers, real license plates, real VINs, or real badge or unit identifiers in the reviewed query text. Axon will never perform eyes-on review of the thumbnails, videos, or other evidence files suggested by search queries.

Retention Period

Axon retains only the sanitized, extracted information for a limited period no longer than necessary to support product improvement for this use case. Raw user queries are not stored.

Preservation of Original Content

This use case does not modify the customer’s original evidence, source records, or live product behavior. It is analysis-only and is intended to support product improvement without changing production behavior, routing, model responses, or user experience. Original evidence remains unchanged.

Withdrawal

Customers participating in this use case may request withdrawal. After withdrawal, Axon would stop collecting new data for this use case from that customer. Previously generated de-identified

or sanitized derivative insights may continue to be retained where permitted and where they no longer identify the customer, user, or original query.

Summary

This use case helps Axon improve Attribute Search by reviewing privacy-protected search activity from eligible customers. Before review, search queries are sanitized so that personal information is removed and replaced with synthetic stand-ins. Axon reviews only the sanitized query text together with limited search-outcome context, using pseudonymized identifiers and without storing raw user queries.