

Kyle Rozanitis, Senior Solutions Architect October 2025



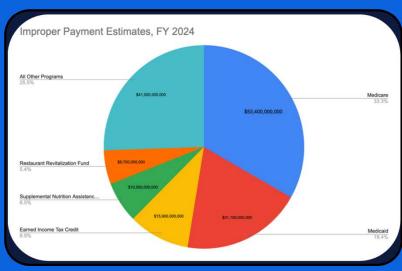


## Fraud detection and public trust must move together.

Agencies can't protect taxpayer dollars without data, and they can't protect trust without governance.





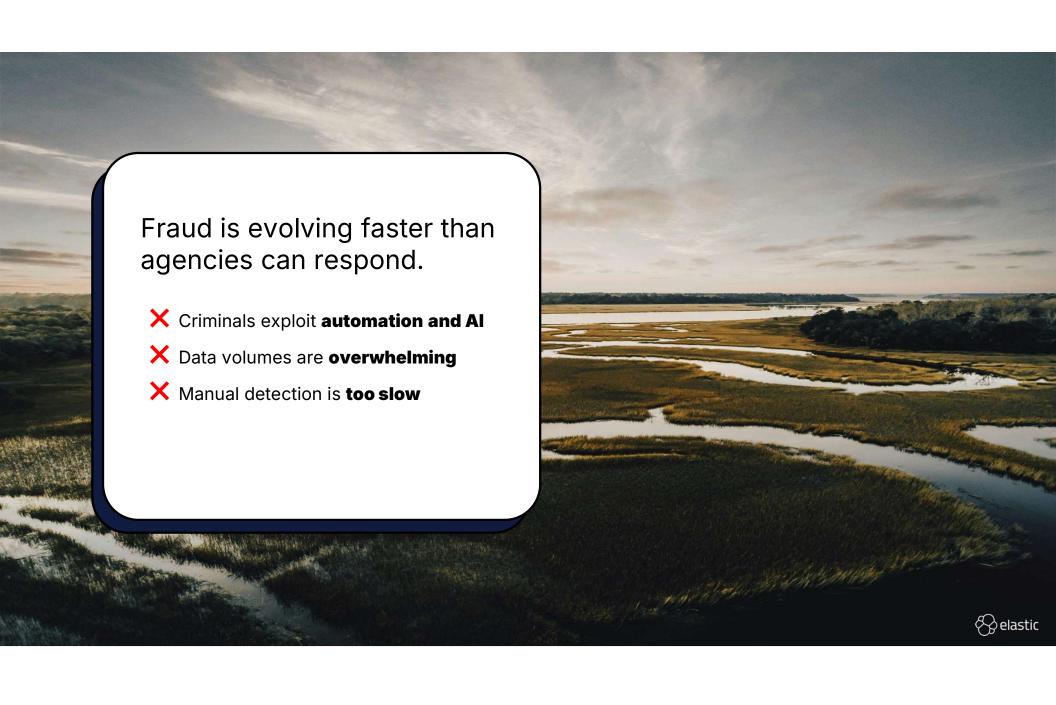


Data sourced from the U.S. Government Accountability Office (GAO).

### Fraud drains billions and erodes trust.

According to GAO's government-wide estimates based on data from fiscal years 2018-2022, the federal government loses between \$233bn to \$521bn annually to fraud.





#### The Reality on the Ground



#### Doesn't scale with the problem

Fraud detection often depends on exporting data into Excel. Analysts spend hours massaging rows and columns instead of investigating. It works in small bursts, but when datasets balloon into millions of rows, Excel buckles.

#### Searching for only the familiar

Analysts massage the data to find repeat patterns — multiple claims from the same IP, rare routing numbers, disposable email domains. But they only uncover what they already know to look for.

#### Blind to the unknown

Novel or anomalous fraud behaviors slip through the cracks. Without automation and machine learning, agencies are always one step behind.





#### The Reality on the Ground v2

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## Data powers fraud detection—but raises new risks.

The same citizen data that reveals suspicious patterns can undermine trust if misused.

**Identity Data** 

**Transaction Records** 

**Network & Behavioral Data** 



#### **The Governance Triangle**

#### **Collect only what's necessary**

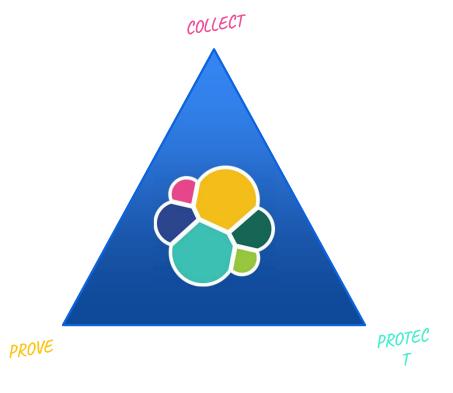
Good governance starts with restraint. Agencies should minimize the data they collect, focusing only on what's needed for fraud detection and compliance — nothing more.

#### **Protect with layered security**

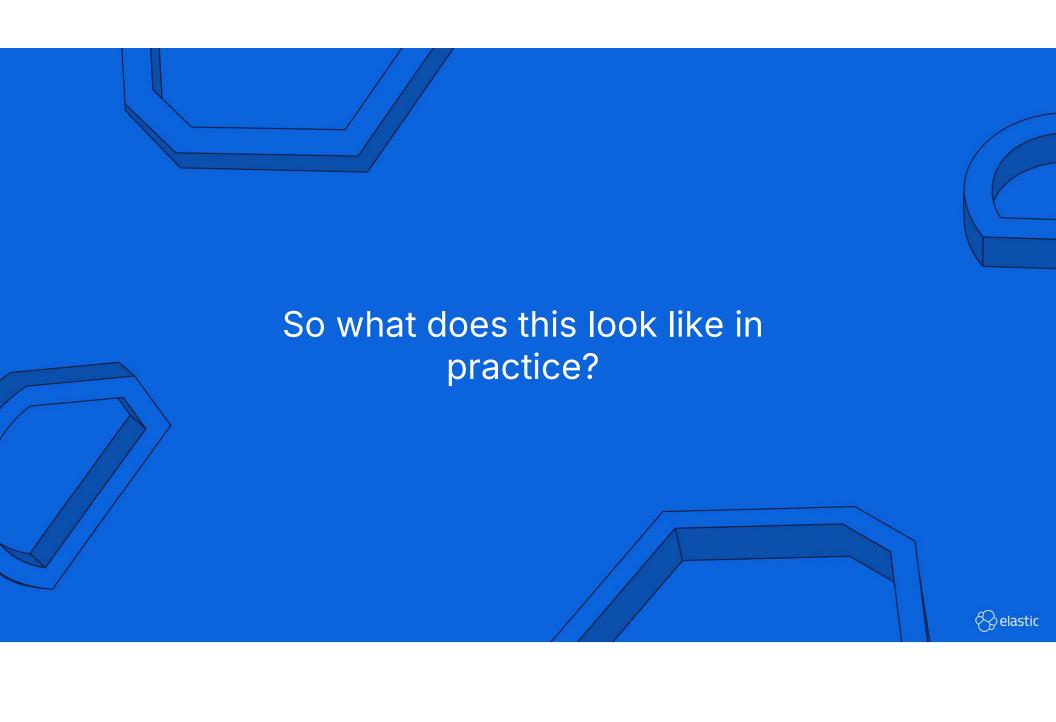
Safeguards must be built in at every level: SSO, SAML, RBAC, and fine-grained controls like document-level and field-based access. Data should be encrypted in transit and at rest, and the systems, servers, and endpoints where that data lives must be hardened against attack.

#### **Prove accountability and compliance**

Trust requires visibility. Audit logging shows who accessed what, when, and how. Regular checks against frameworks like NIST CSF and state data policies demonstrate compliance. Transparency with citizens builds confidence that their information is being handled responsibly.







#### Spot the Fraud Hidden within the Noise

It's Monday morning at the Department of Labor.

A new wave of unemployment claims has arrived overnight — just like every day.

Most are legitimate. Some aren't.

#### Among the thousands of claims, fraud is hiding:

- X Multiple emails from the same IP
- X Identities linked to the same bank account
- X Suspicious spikes in ZIP codes

#### Fraud analysts are doing their best, but the tools are limited:

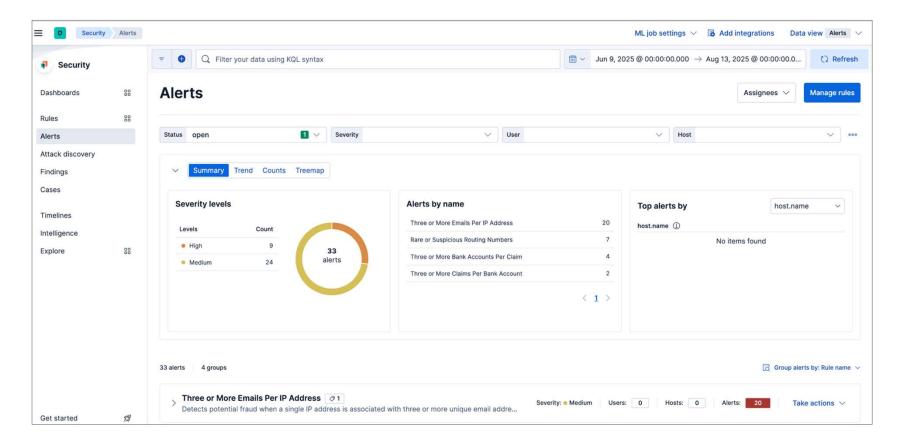
- X Static reports and spreadsheets that don't scale
- X Manual investigations that take hours
- X Hunting only for known patterns

Meanwhile, fraudulent claims are getting approved and payouts are going out the door.

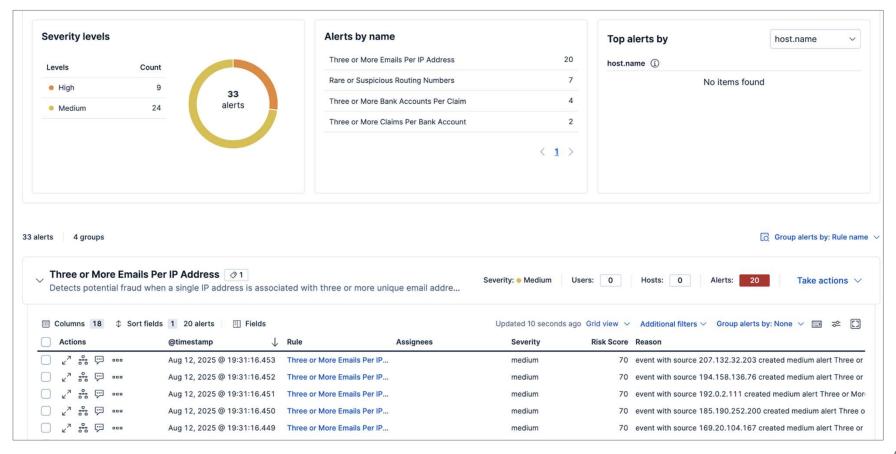




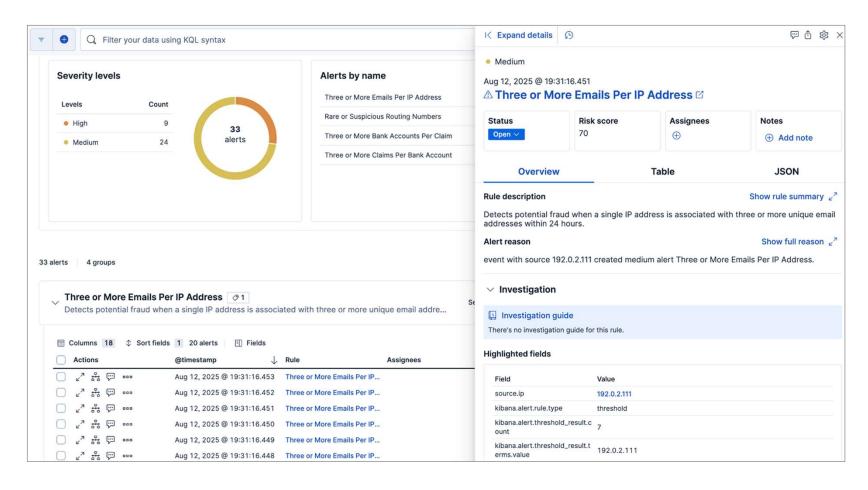




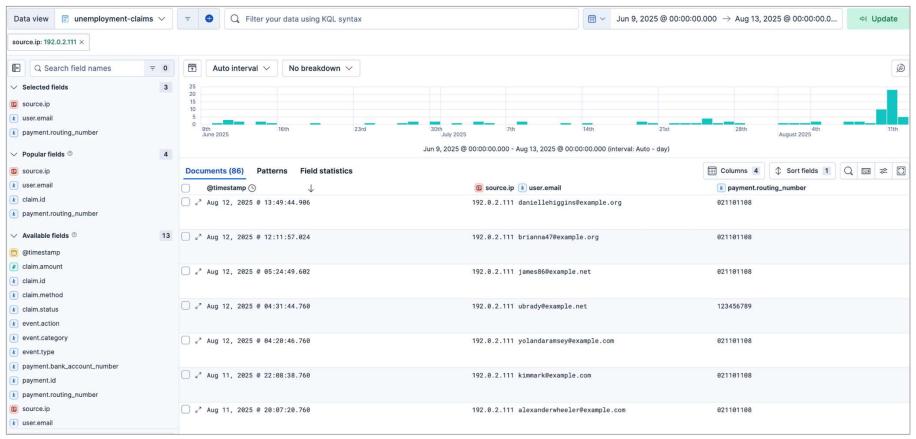




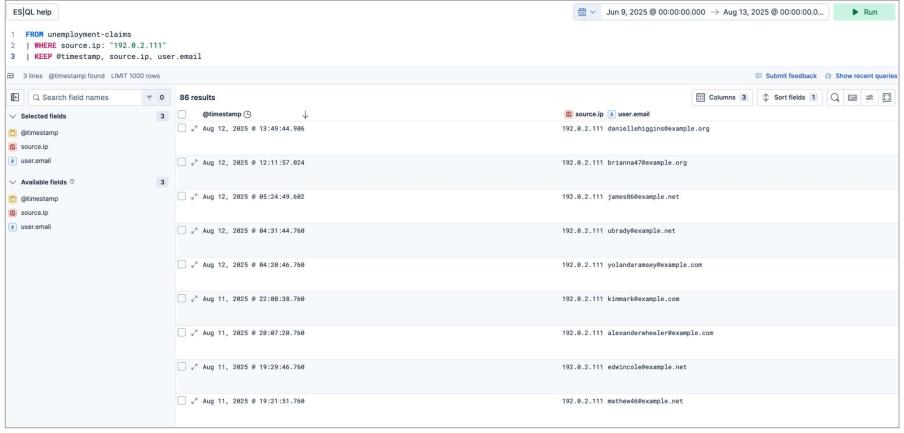






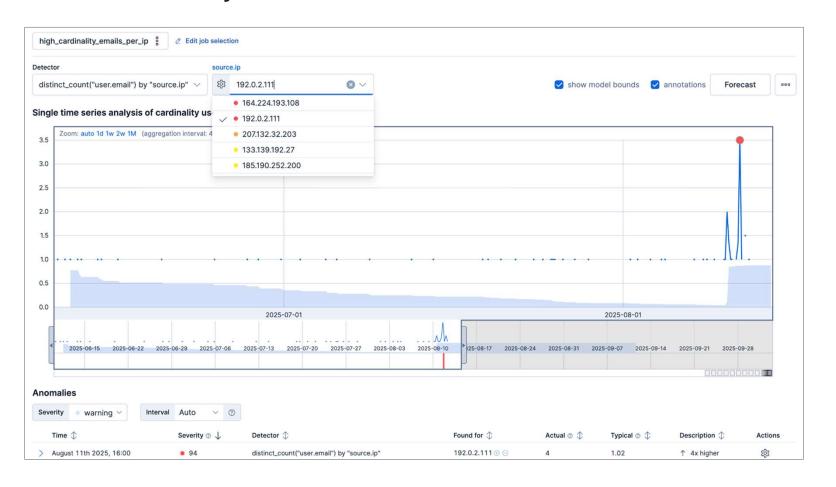








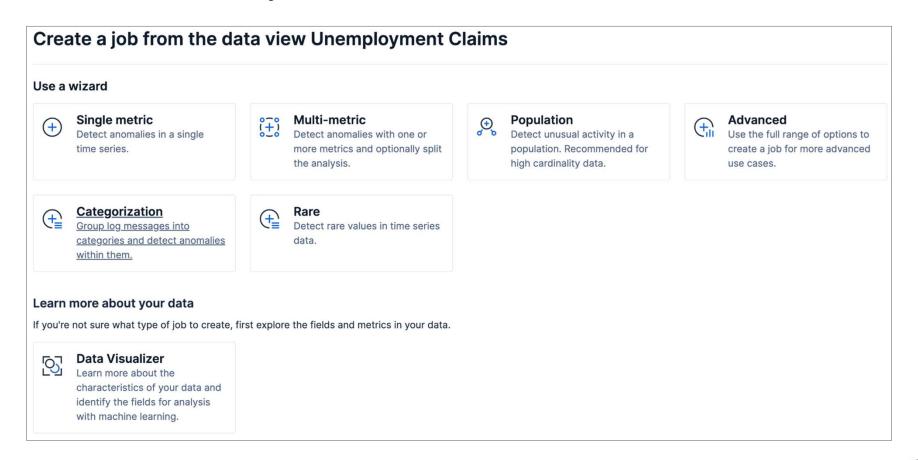




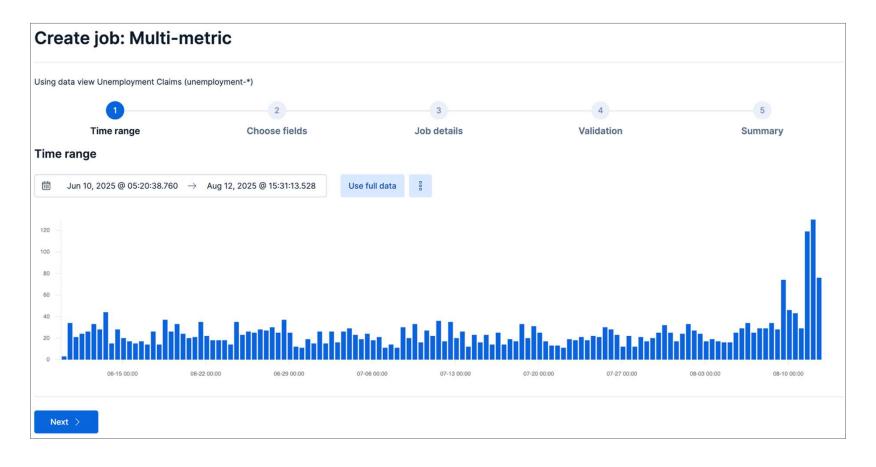




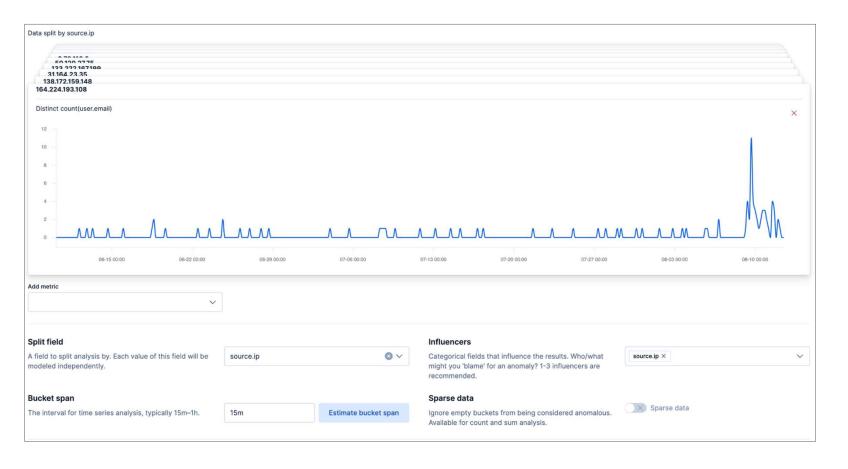




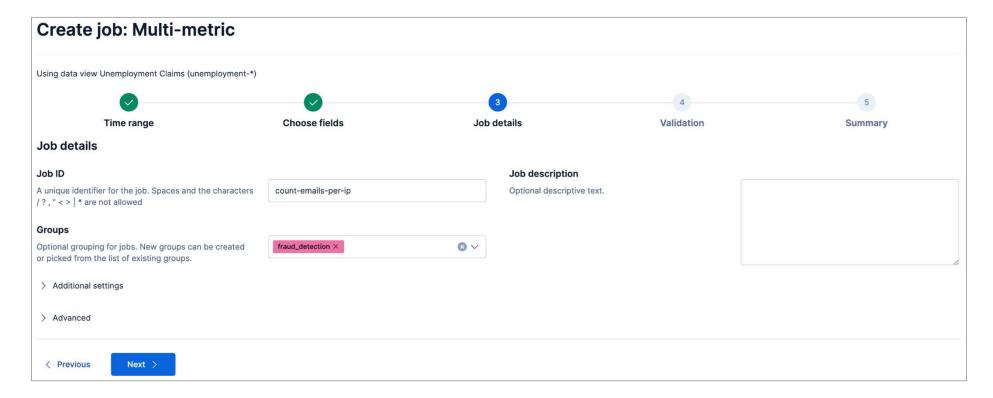




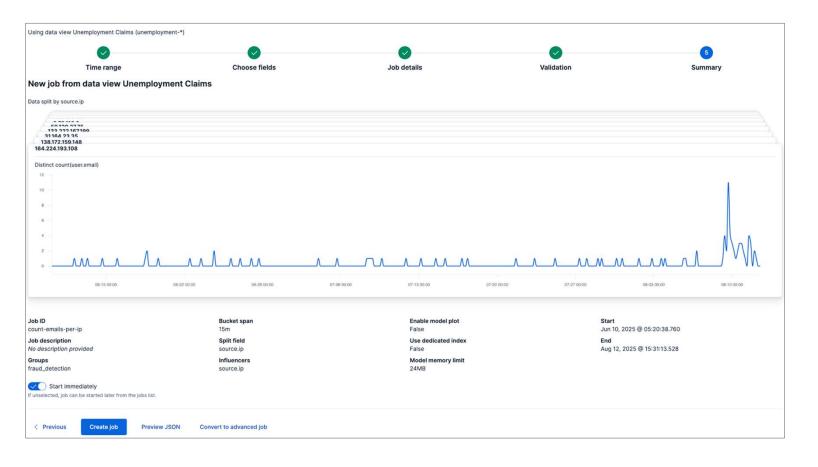




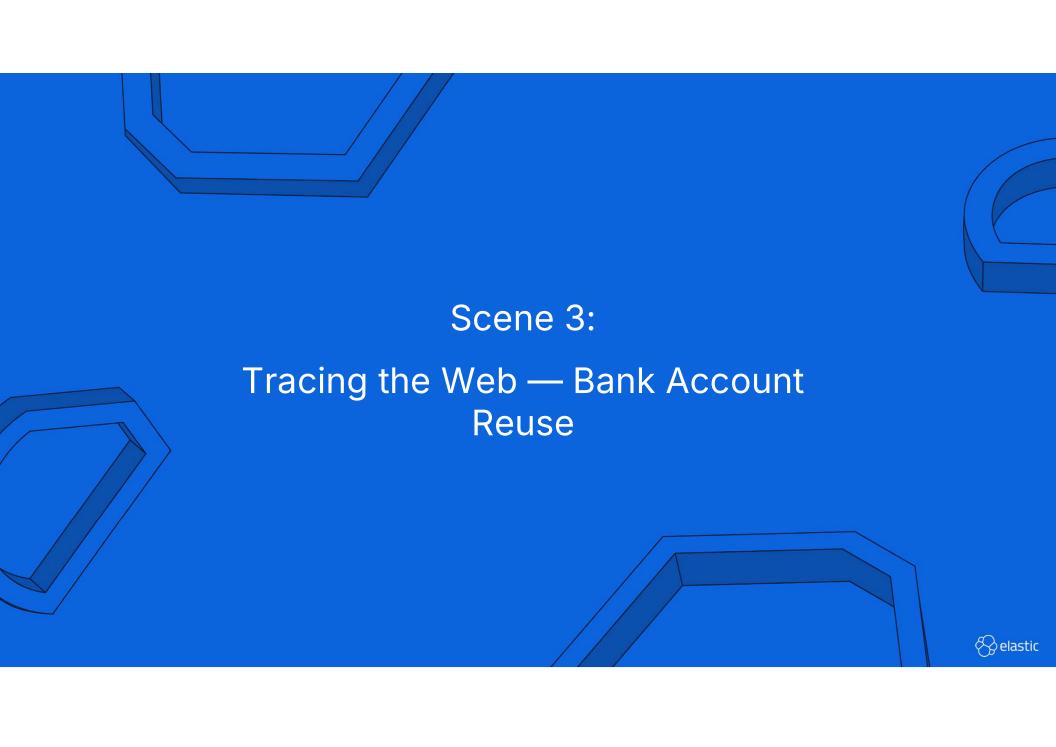


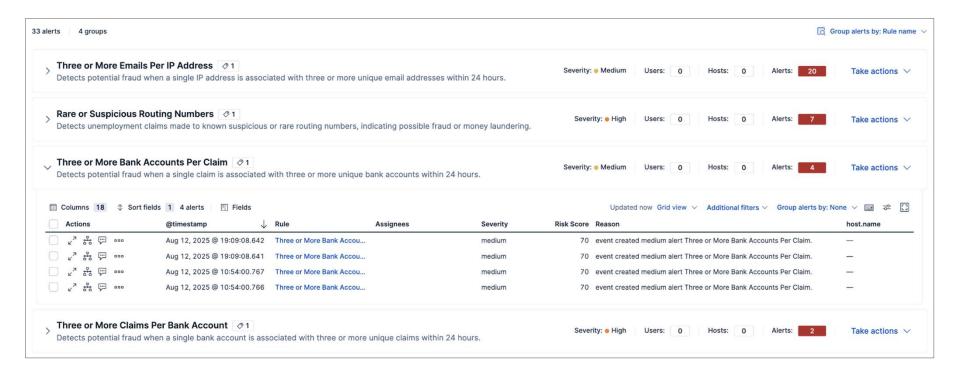




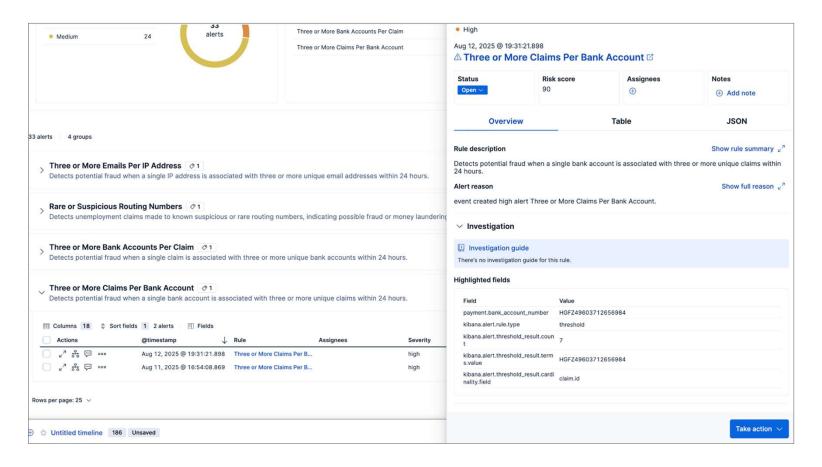




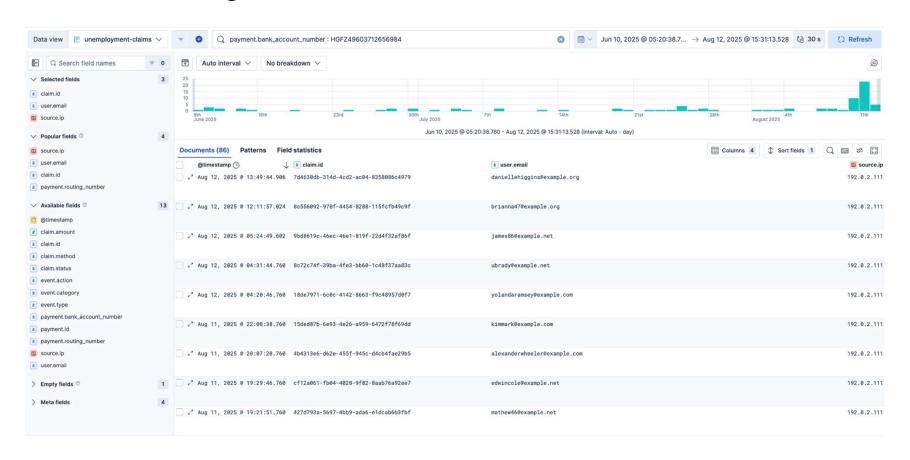




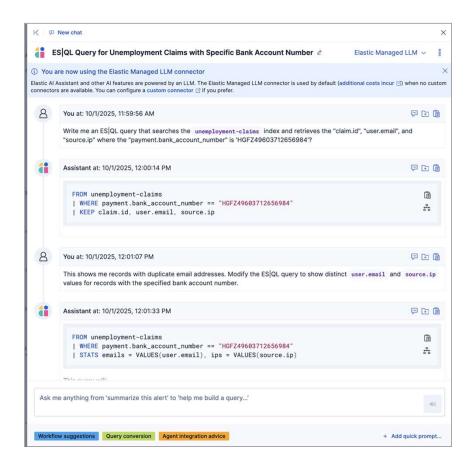


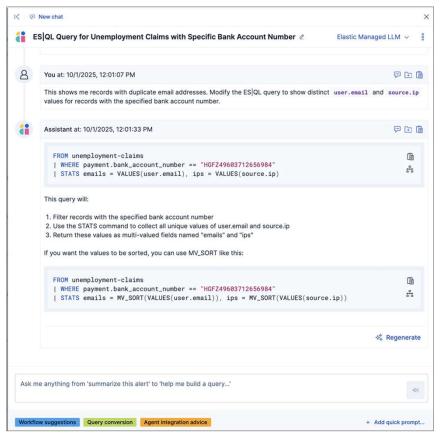




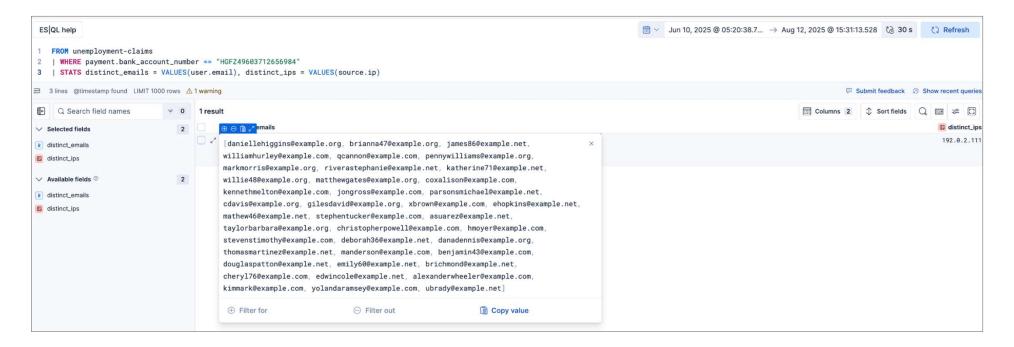






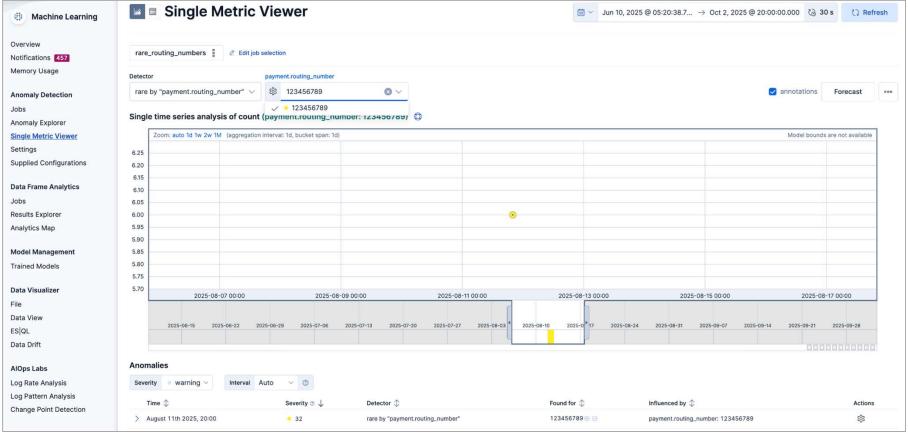




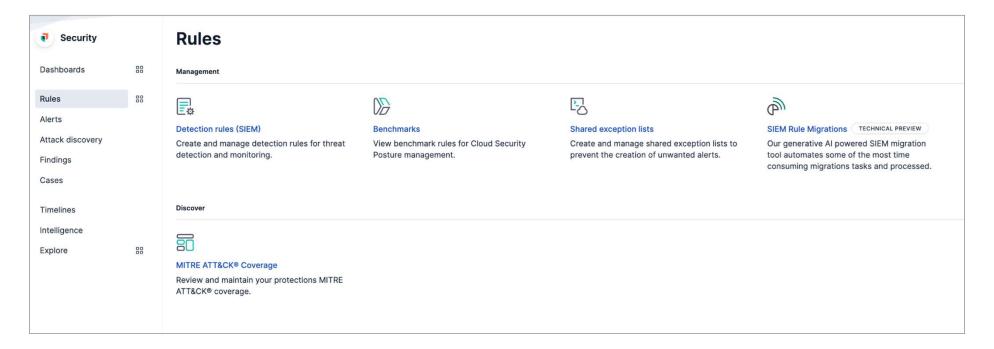




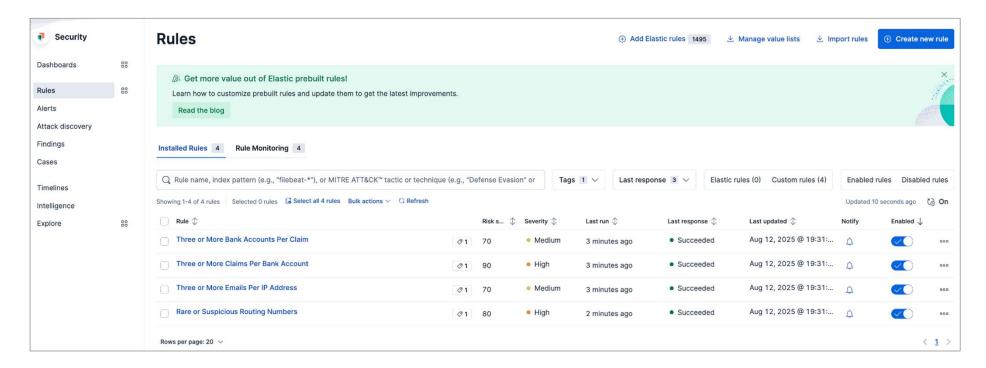




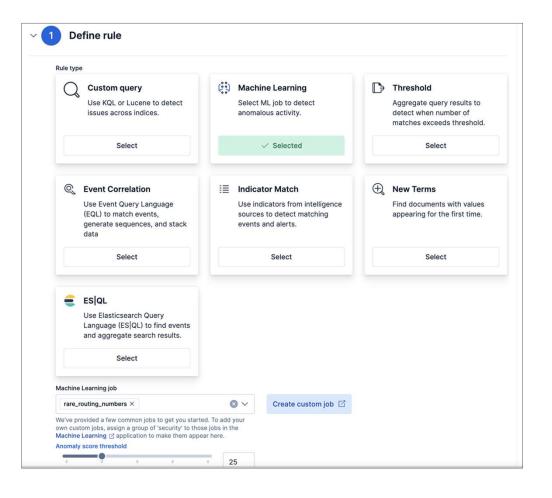




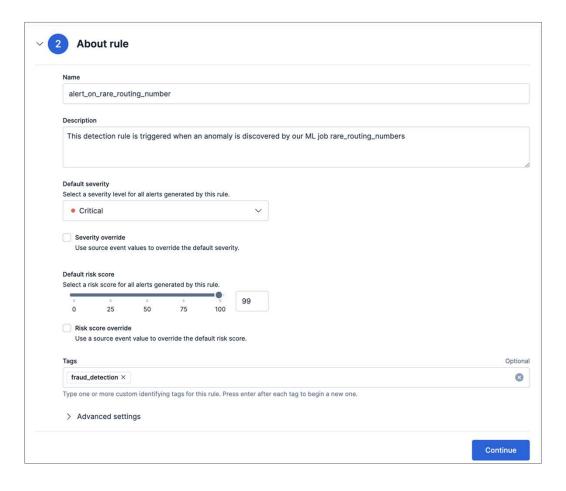






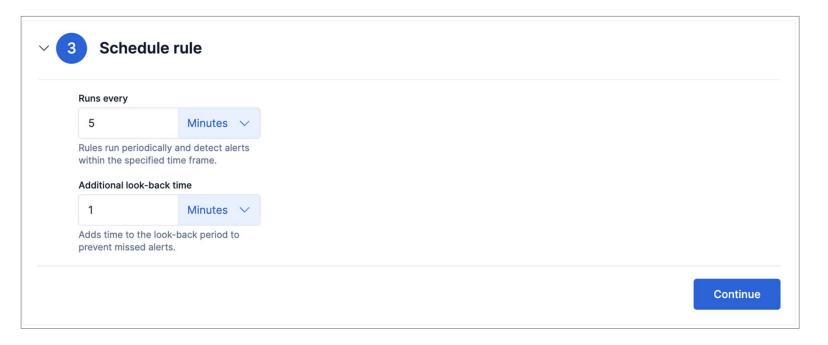






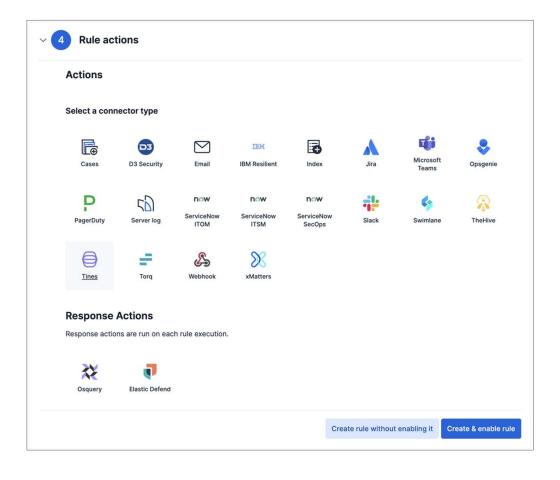


### Scene 4: A Rare Routing Number Emerges

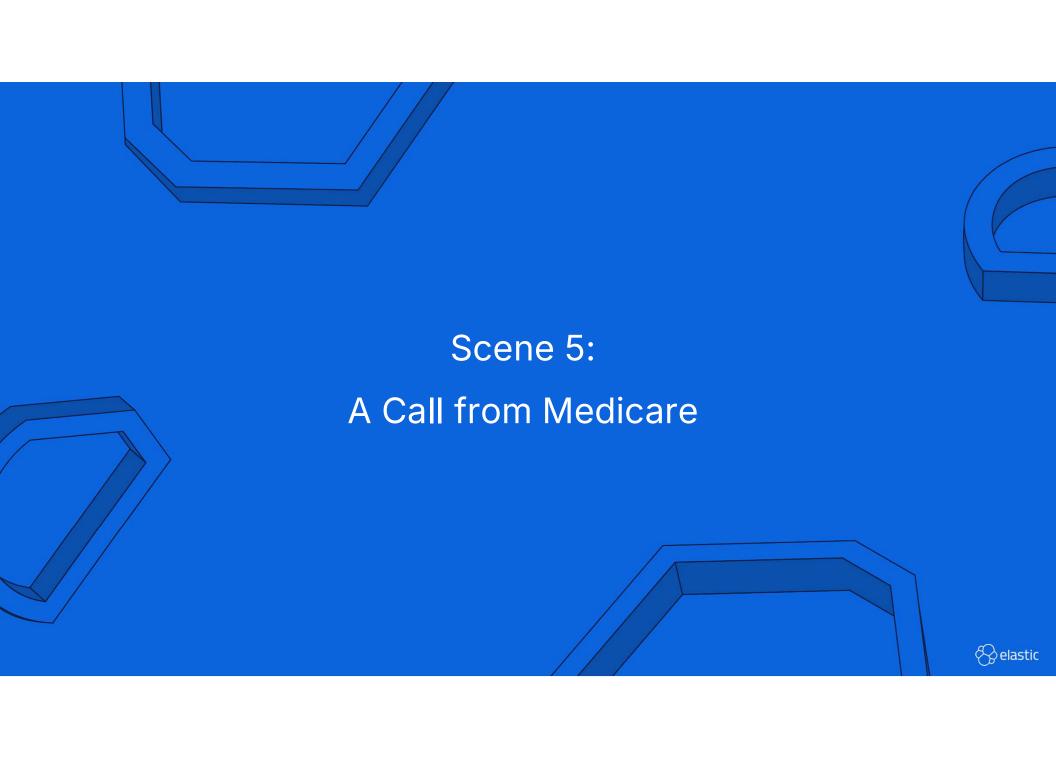


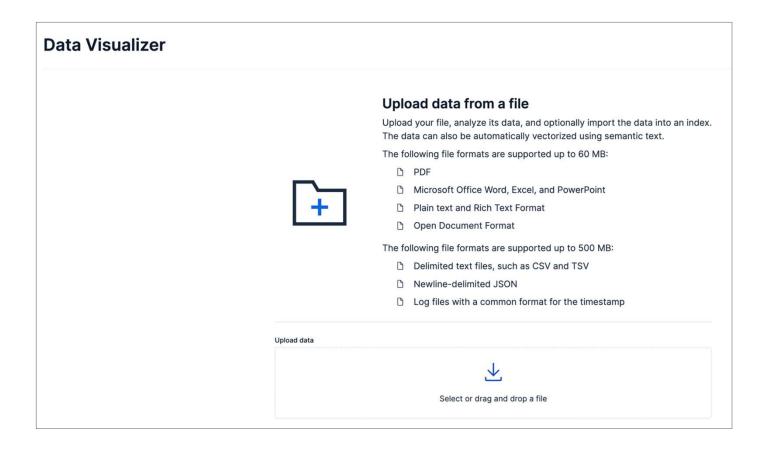


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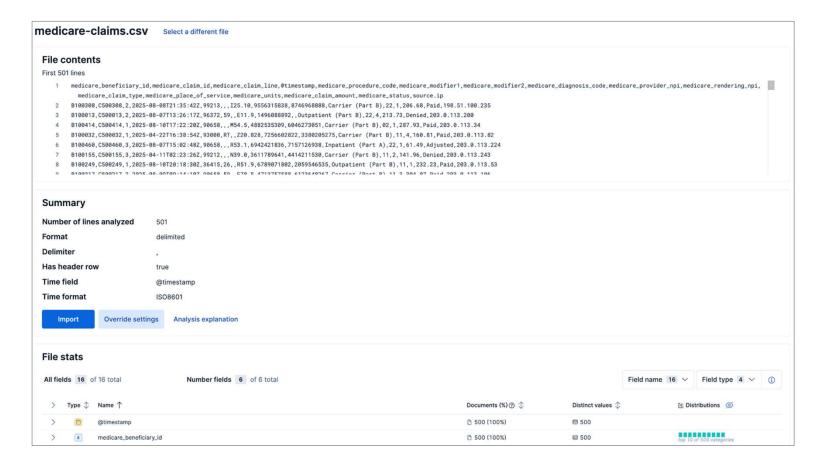




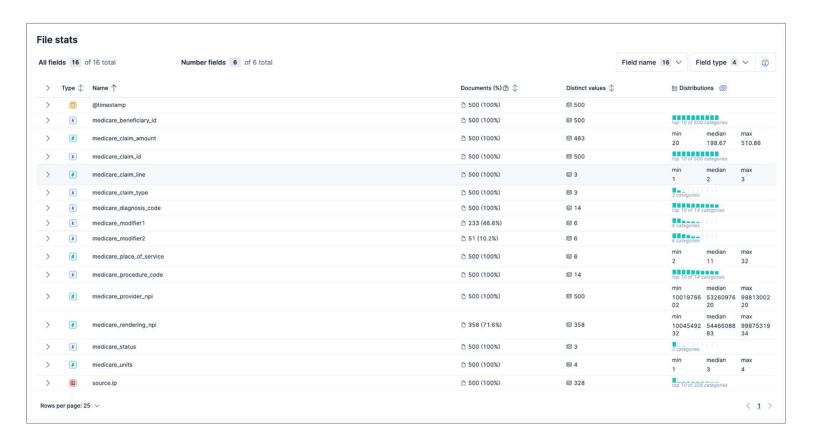




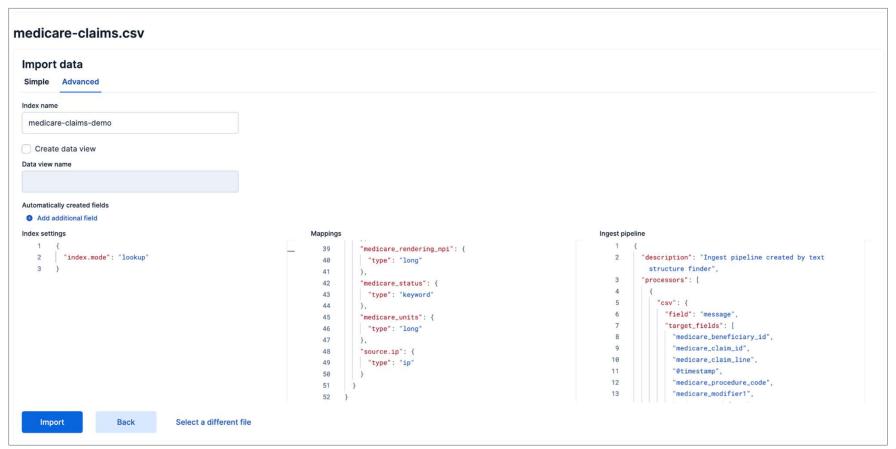










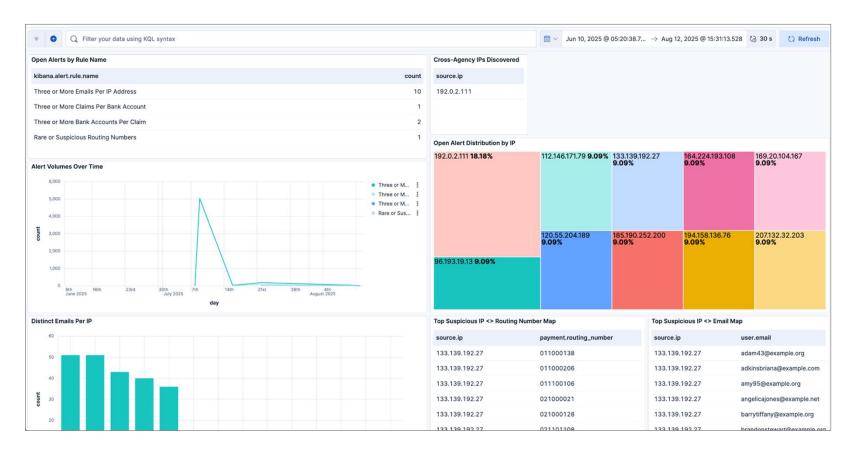






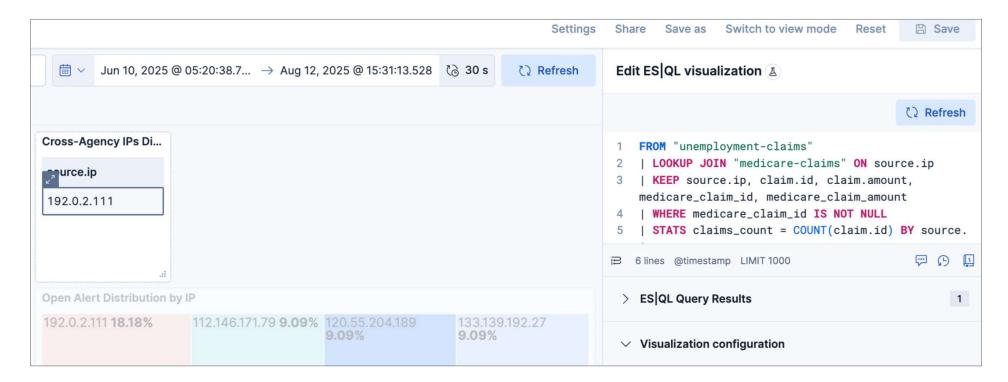


### Scene 6: Reporting Upstream



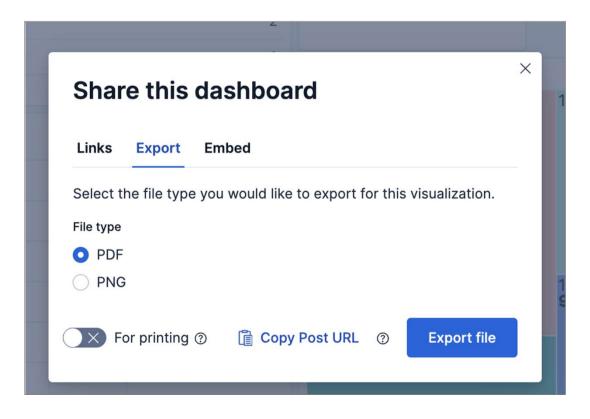


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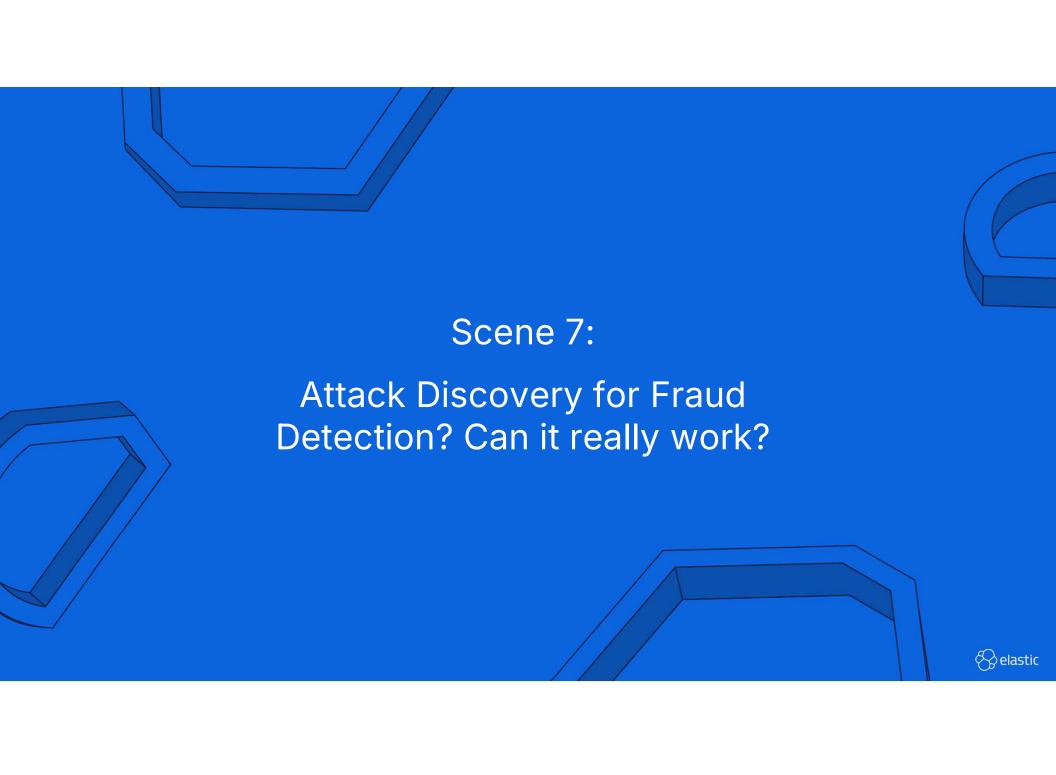




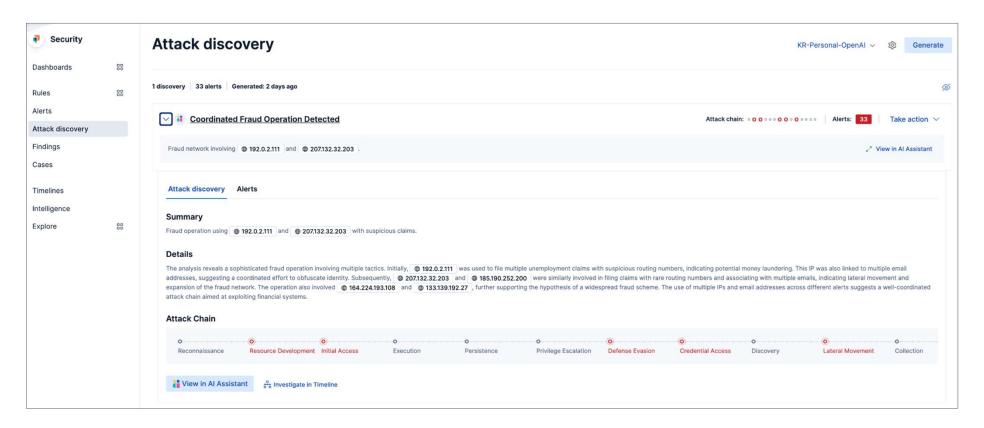
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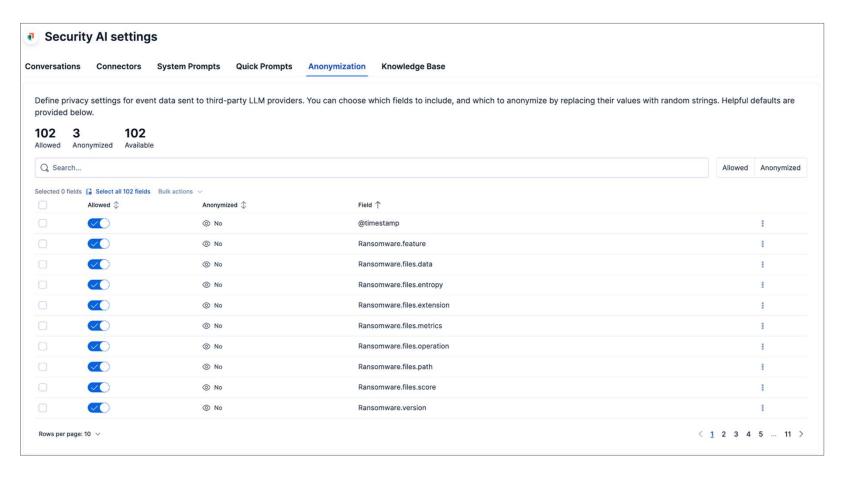


Scene 7: Attack Discovery for Fraud Detection? Can it really work?





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#### With Elastic for Fraud Detection

- **\*** Detect fraud faster, before it becomes payout
- **©** Correlate patterns across IPs, emails, bank accounts, and locations
- **&** Scale discovery and analysis without scaling headcount
- **©** Provide explainable, defensible insights to leadership and investigators
- **©** Utilize AI to reduce the time and effort required to correlate alerts



# **Strengthen Fraud Prevention. Strengthen Trust.**

#### **Detect smartly**

Use data and analytics to find fraud faster.

#### **Govern responsibly**

Protect citizen data with strong controls.

#### **Build trust continuously**

Prove accountability and transparency every step of the way.

Fraud Detection Value

Data Risk Exposure

Governance Maturity

Public Trust

What's the next step your agency can take to balance fraud prevention with citizen trust?



# **Thank You**

Questions?



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