



CASE STUDY

European Union Country

EU law enforcement and intelligence agency uses Zilont Analytic Archive to prevent cyber-crime, e-commerce fraud, online attacks and digital threats

The law enforcement and intelligence agency of one of EU country is stopping cyber-crime through use of real-time capture, archiving and analysis of Internet traffic.

The Challenge

When data volumes exceeded the analytic capabilities of conventional tools, the agency looked for an advanced data system to intercept, store and auto-analyze all email, SMS, twt, html etc. in and out of the country.

AA loads 20 TB of data daily (100x tweets WW) into a catalog database with 100s of TBs of data to perform instant analysis of data

The solution had to provide data storage, archival storage, fast analytics and enable collaboration between law enforcement, transportation, health and financial authorities. Another key requirement was the solution's ability to support existing data types and promptly support new data formats, new types of analysis and new communication protocols. Lastly, it was critical for the solution to connect with the country banks, the Federal Bank, Central Health Authority and Police, all of which use standard databases that require SQL and ACID functionality.

The Solution

The only solution that could meet the full scope of requirements was Zilont AA. The solution has been in operation for number of years and has proven to be invaluable. The system has grown over 300% compared to the initial installation volume of 20 TB per day.

The Advantages

- Real-time loading of 20TB/day into AA database with 100s of TBs of data, ready to search in < 2 sec
- Cross-correlation of traffic content with transactional data in < 1 sec
- Over 85% cost reduction of retention of emails, files and database records (i.e. CDR, money transfers etc.)
- Automatic deletion of data after expiration date
- Proven reliability, robustness,
- Controlled collaboration with governments of surrounding countries health and financial institutions

CUSTOMER PROFILE

INDUSTRY

Government Intelligence and Law Enforcement Agency

SIZE

Loads and Analyzes over 20 TB of data per day

HEADQUARTERS

Southern European Country

BUSINESS REQUIREMENTS

Real-Time capture and loading of high volumes of Internet traffic, instant analysis and filtering based on active cases. Ability to safely connect to partner agencies.

SOLUTION SUMMARY

AA High-Speed Loader

AA Analytic Repository

AA Analytics

AA Fraud & Compliance

AA Discovery

DATA TYPES

Emails, SMS, MMS, files, web data, database records etc.

KEY BENEFITS

- AA allows search and cross-correlation of real-time data
- Government agencies are able to improve security, meet compliance requirements
- 85% cost reduction
- Government collaboration to increase security