Recorded Future

DATA SHEET

Real-Time Threat Intelligence

Executive Summary

Open source intelligence (OSINT) and associated metadata are increasingly imperative for a true multi-INT analytic capability. As the field evolves, activity-based intelligence (ABI) and its subsets rely upon critical elements of processing and using vast amounts of OSINT effectively.

Anticipatory analysis requires a lens focused on OSINT — especially regarding social media and other public forums. Collecting OSINT, however, presents a number of challenges to enterprises, including data storage, processing, structuring, security, and availability.

Recorded Future's secure solution is a cloud-based architecture that's accessible anytime from anywhere across the globe. Recorded Future harvests over 800,000 open, deep, and dark sources on the web in real time, and enhances advanced analytics by illuminating discoverable human activities and relationships.

4 PRINCIPLES OF ABI

- Georeferenced Data
- Data Integrated for Analysis
- Access to All Sources of Data on the Web
- Retention and Indexing of All Collected Events

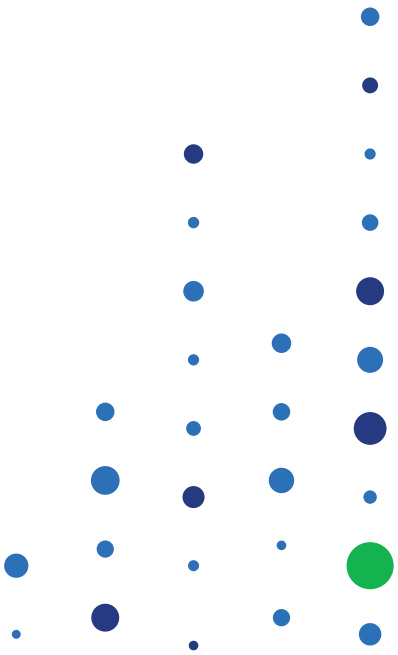
Bring the Web to the Analyst

ABI and its subset analytical methodologies require access to all available sources of data; access to OSINT is a mandate for today's threat intelligence capability. Analysts must be able to observe human activities, networks and relationships, and events and transactions across all domains of the operational environment. The web offers a wealth of information, but its size and scale present a number of challenges to an analyst, namely that data from the web is unstructured, vast, and lacks context, making it difficult to collect and process. Recorded Future's real-time threat intelligence provides analysts access to latent data from the open, deep, and dark web — including volatile sources — and visibility into emerging threats.

With billions of time-indexed facts, an eight-year history of links back to sources and authors, and the ability to read multiple languages, Recorded Future helps analysts quickly and accurately forecast threat trends, discover previously unknown data about an intelligence issue, and conduct cross-domain correlation to enhance situational awareness.

Analysts will spend less time manually searching the internet, piecing together a limited number of sources, and processing the data because Recorded Future automates collection and processing. Data is tagged by event, location, and entity, and is searchable and attributed. Visually rich reports with annotated details decrease time spent on production and dissemination, allowing for more time analyzing threats.

If analysts discover OSINT sources not included in Recorded Future, they may request to have those sources added to the product's Threat Intelligence Machine™.



Georeferenced Data

Recorded Future's reporting on events and social media data is georeferenced for discovery by analysts; geofencing alerts allows analysts to be notified about new events within a specific area of interest. Data is collected in all regions and languages of interest, allowing analysts to connect entities and events through geospatial discovery.

Data Integrated for Analysis

Recorded Future's data is collected, structured, and processed for analysis, eliminating the burden of collection and processing of data by the analyst. Collection of data is not focused upon any one area, event, or target; rather, it casts a wide net for analysts to focus a lens on their particular intelligence issues. The full spectrum of open source data is immediately available for analysis.

Access to All Sources of Data on the Web

Recorded Future harvests and structures over 800,000 sources of data in the open, deep, and dark web. This data is tagged, searchable, and attributed. Analysts are able to use a wide range of sources of data including social media, news events, and even underground discussions posted on dark web sources to incorporate into intelligence analysis and products.

Retention and Indexing of All Collected Events

Data from any time is valuable and can contain that "needle in the haystack" that unlocks the hard intelligence questions. Recorded Future maintains an archive of over eight years' worth of time-indexed facts, allowing for analysis of data no matter when it was collected or discovered. Historical data is available to provide further context and potential forensic evidence.

How Recorded Future complements the four principles of ABI.

Anticipate Events Through Real-Time Alerts and Trending Activity

Recorded Future acts as a sensor on the web, enabling analysts to anticipate events by monitoring unrest in near real time — as data from news sources, publications, and social media is harvested and structured by our Threat Intelligence Machine. Trends, ranging from the entire geopolitical climate to a particular malware outbreak, can be viewed as they unfold. Customized alerts may then be quickly configured and automatically emailed to analysts.

Recorded Future supports analysis across all languages, including deep analysis with natural language processing (NLP) for Russian, Chinese, Arabic, Farsi, French, English, German, and Spanish. Our NLP is supported by in-platform translation to ensure coverage of issues that span the globe. Analysts can easily and efficiently access nefarious chatter from the deep and dark web and create customized alerts for future activity — by author, activity, location, keyword, and more.

Timeline of social media mentions of Syria and Russia military actions.