

Curate and visualize high velocity OSINT data

Open Source Intelligence (OSINT) Data Science Platform (DSP)

baesystems.com

As the volume of Publicly Available Information (PAI) continues to grow, managing the volume and speed of data is a serious mission challenge for intelligence analysts and decision-makers. To address this challenge, BAE Systems offers an Open Source Intelligence (OSINT) Data Science Platform (DSP) solution.

Our solution provides a turn-key environment for data science and machine learning of OSINT and PAI. We designed OSINT DSP to ingest, process, and extract meaningful knowledge from the firehose of variegated PAI data sources. Our OSINT DSP solution delivers a comprehensive interactive development environment (IDE) with data science and machine learning tools for better managing OSINT and PAI. It also provides customers with the ability to curate and visualize high velocity OSINT data across a variety of sources including news websites, social media, and deep and dark web.

The solution uses a range of scientific computing libraries such as Pandas, Matplotlib, Scipy, Sci-kit Learn, and others. OSINT DSP integrates a Jupyter-based IDE, including Anaconda, and facilitates collaboration across users. Jupyter offers a robust report writing capability and includes inline visualization. BAE Systems' OSINT DSP solution also includes an example notebook that illustrates practical implementation of Apache Drill data connections, as well as a complementary OSINT notebook to perform automated text summarization.

The Apache Drill search engine, packaged within the offering, provides example connectors that can be used to interface with a variety of storage technologies (e.g., MySQL and Elasticsearch). Apache Drill also has connectors that facilitate access to proprietary databases commonly used within the Intelligence Community (IC). The OSINT DSP is available in both standalone and community editions through public offering as well as on the IC and AWS Marketplaces

Highlights

1. Turn-key data science environment for OSINT analysis, exploitation, and dissemination.
2. Clean, out-of-the-box data science and machine learning platform that leverages Jupyter notebooks to enable rapid development in a data centric MLOps lifecycle.
3. Versatile connectors interface with a range of storage technologies and compatibility with common IC databases.

BAE Systems, Inc.
Intelligence & Security

For more information contact
analyticslab.is@baesystems.com
www.baesystems.com

Disclaimer and copyright

This document gives only a general description of products and services and except where expressly provided otherwise shall not form part of any contract. From time to time, changes may be made in the products or conditions of supply.