AUTHOR PROFILING AND LINGUISTIC EVIDENCE

WHAT IS AUTHOR PROFILING?

Author profiling is used to identify the characteristics of an author of an anonymous or pseudonymous text based on their use of the language.

HOW AUCH ANALYZES THE LANGUAGE OF CYBERCRIMINALS

GRAMMATICALITY

Our system detects incorrect grammar of phrases and words in ransom messages.

One of the largest colleges in the State presents you with bank
ACTOR   AUTHOR_2_SIGNATURE   ASSET
                          MISSPELLING   THREAT_EVENT

records, budget calculations, scanned documents, and photos of its
        ASSET   ASSET   ASSET

employees.
ACTOR

Our inference engine detected errors in the English language's fundamental aspects in the ransom messages, such as the phrase "in the State" that the threat actors used.

UNNATURAL STATEMENTS

AUCH identifies unnatural language, which refers to using word order that makes sense but isn't usual for a native speaker.

Our partners will also not leave the opportunity to show you the
ACTOR   LINGUISTIC_UNNATURALITY   THREAT_EVENT

calculations of budgets for future years, financial reports and
LINGUISTIC_UNNATURALITY   ASSET
ASSET

documentation, personal data of employees.
                    ASSET
                                    ACTOR

The profiling system flagged the phrase "leave the opportunity" as a linguistic anomaly since native English speakers would perceive the phrase as unnatural.

SYNTAX

Our system observes whether the arrangement of words and phrases creates well-formed sentences.

Here they will present for you tax files, budget calculations and their
              AUTHOR_1_SIGNATURE ASSET   ASSET   ASSET
              PREPOSITIONAL_ERROR
              THREAT_EVENT

formation, current settlements, payment orders, etc. 1.55 Gb files
    ASSET   ASSET   ASSET

that will not cease to be relevant at any time.
    THREAT_EVENT

Our inference engine identified a prepositional error by one of the authors. The first author uses the preposition combination "present for you" instead of "present someone with", a distinctive dissimilarity for author profiling.

PYSA REPORT FINDINGS

Based on our first analysis, the threat actors from the PYSA ransomware group most likely have ties to Europe but also employ different actors who are non-native English speakers.

HOW PRODAFT USES AUCH TO HELP ITS CLIENTS

AUCH can analyze the language of cybercriminals to reveal important information regarding their identities. It operates based on data and cyber-insight we have acquired over the years with our unparalleled proactive approach against cybercrime.