Artificial-Intelligence Based Endpoint Defender (ABED)

Automated File Anomaly Detection

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ABED

Automated File Anomaly Detection

OVERVIEW

Digital documents pose a serious cyber security threat to US critical networks since they can contain embedded code that may compromise a computer when the document is opened. ABED is an Air Force Research Laboratory funded product that uses advanced machine learning and artificial intelligence techniques to automatically model normal behavior of document viewers to quickly identify suspect documents before they compromise your network. ABED is a Phase I SBIR sponsored by the United States Air Force.

Rapidly Classify Malicious Files

Unlike complex parsers that take years to build and require reverse engineering of complex file formats, ABED can model the expected behavior of new file formats in hours, creating a baseline for effectively identifying malicious documents.

Highlights

- Automated learning capability quickly categorizes new file formats

- Simple to use API

- US Patent Pending

KEY FEATURES

- Based on advanced machine learning and artificial intelligence
- Quickly identifies suspect documents
- Low false positive rate (less than one percent)
- Modeling behavior requires small data sets

ABOUT AIS

AIS is a cyber and information technology company that plays a leading role in supporting critical cyber operations for the United States Department of Defense and Intelligence Community. AIS employs cyber engineers and scientists throughout the United States.

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FOR MORE INFORMATION

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