BlackLynx for Splunk: High Performance Analytics
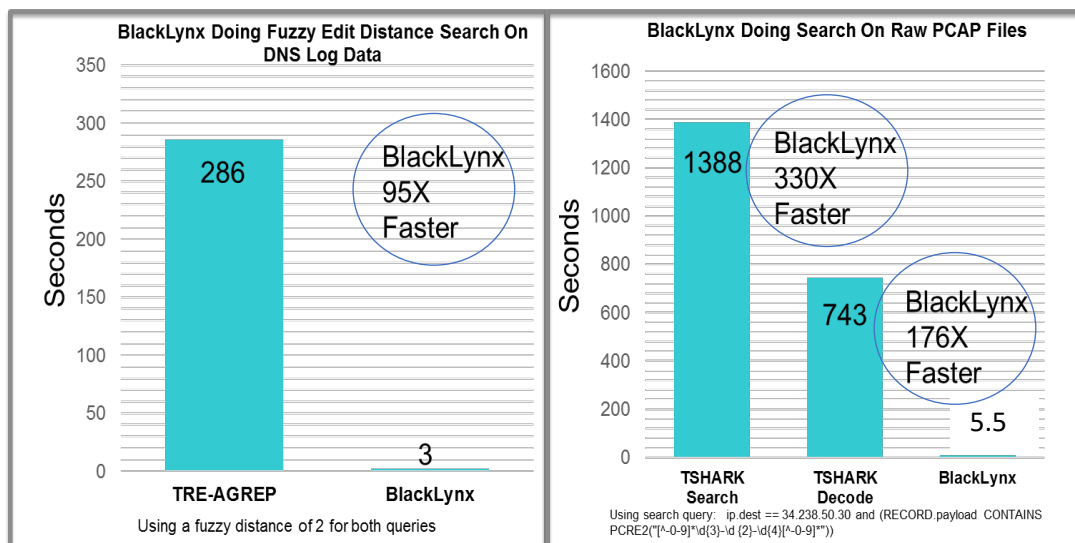
INTRODUCTION

Enterprise IT Leaders need deep insight into their data center and IOT operations to protect infrastructure from cyber attacks and optimize system performance. BlackLynx tools provide real time, comprehensive network cyber and performance analytics while reducing total cost of ownership. BlackLynx's Splunk enterprise app offers a high performance solution to enhance, accelerate, and optimize your company's search and analytics.

PRODUCT OVERVIEW

- Combine high-performance search, location-based services, image, and video analysis using artificial intelligence and machine learning
- Leverage Splunk capabilities while adding BlackLynx performance and high end search capabilities (fuzzy searching, regular expressions, raw PCAP, etc.) to handle the growth in machine data
- Powered by heterogeneous compute with dynamic load balance between CPU, GPU, and Xilinx FPGAs

BlackLynx Performance Advantage

- Speed: High performance search accelerates event detection
- Efficiency: Analyze greater volumes of data in less time and eliminate ETL and indexing
- Savings: Reduce indexing volume and storage costs

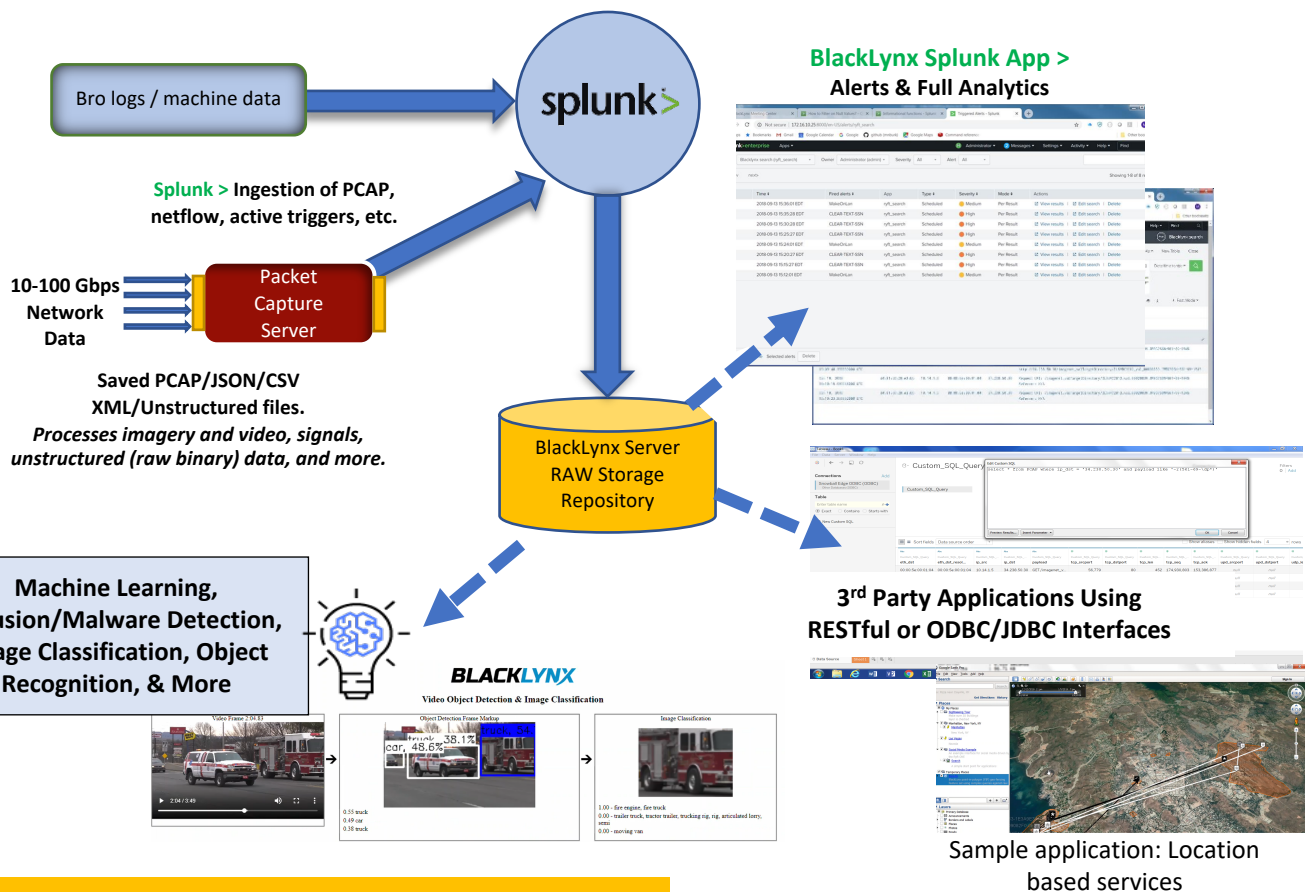Benchmark comparison for Fuzzy Edit Distance and PCAP primitives

SOLUTION OVERVIEW

Features
- Seamless Integration with open API connectors for Splunk, Tableau, Microsoft Power BI & Google Earth
- Deploy in the cloud, on-premise, at the edge, or a combination
- Dynamically leverage GPUs and FPGAs with Xilinx Alveo performance enhancement

Sample Use Cases
- Cyber Forensics
- DNS Analytics
- Large Data Processing & Geofencing
- Monitoring & Alerting
- Malware Detection

Bro logs / machine data

splunk>

BlackLynx Splunk App >
Alerts & Full Analytics

Splunk > Ingestion of PCAP, netflow, active triggers, etc.

10-100 Gbps Network Data

Packet Capture Server

Saved PCAP/JSON/CSV XML/Unstructured files.
Processes imagery and video, signals, unstructured (raw binary) data, and more.

BlackLynx Server RAW Storage Repository

3rd Party Applications Using RESTful or ODBC/JDBC Interfaces

Machine Learning, Intrusion/Malware Detection, Image Classification, Object Recognition, & More

BLACKLYNX
Video Object Detection & Image Classification

Sample application: Location based services

CONTACT US

Reach out to BlackLynx to set up a test drive or demo of the BlackLynx Splunk App.

https://www.blacklynx.tech/

Adam Eliot, Intelligence Community Account Manager

adam.eliot@blacklynx.tech

703.618.5076

Bill Dentinger, Vice President Products

bill.dentinger@blacklynx.tech

301.560.2756