

Using data more effectively in policing

○ Digital Policing Conference 27 May 2021

splunk > turn data into doing™

Speakers

Splunk Public Sector Strategic Solutions



Alan Hill

Previously CIDO for University of Exeter and an extensive career in the British Army in CIO roles

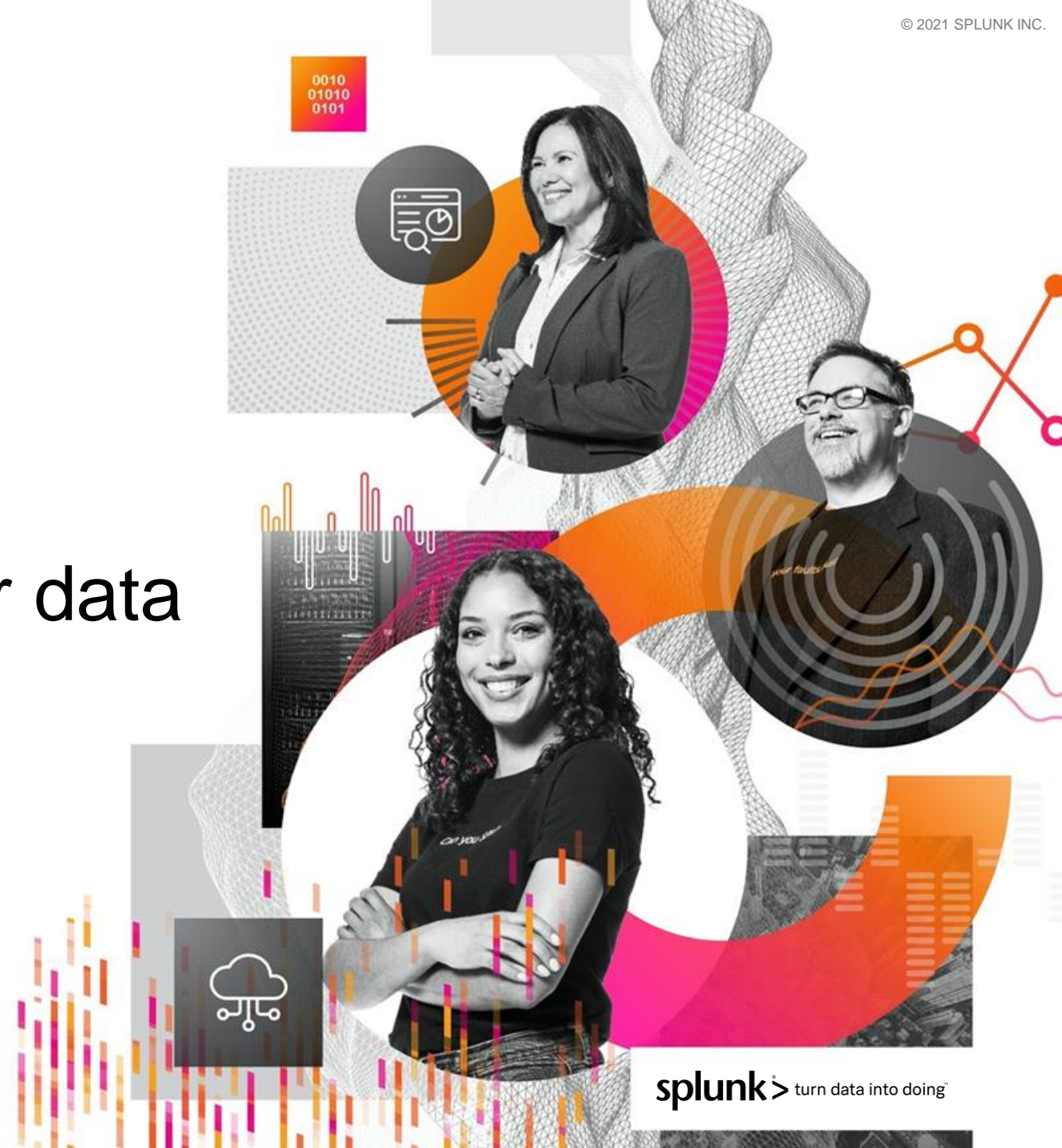


Julian Kaine

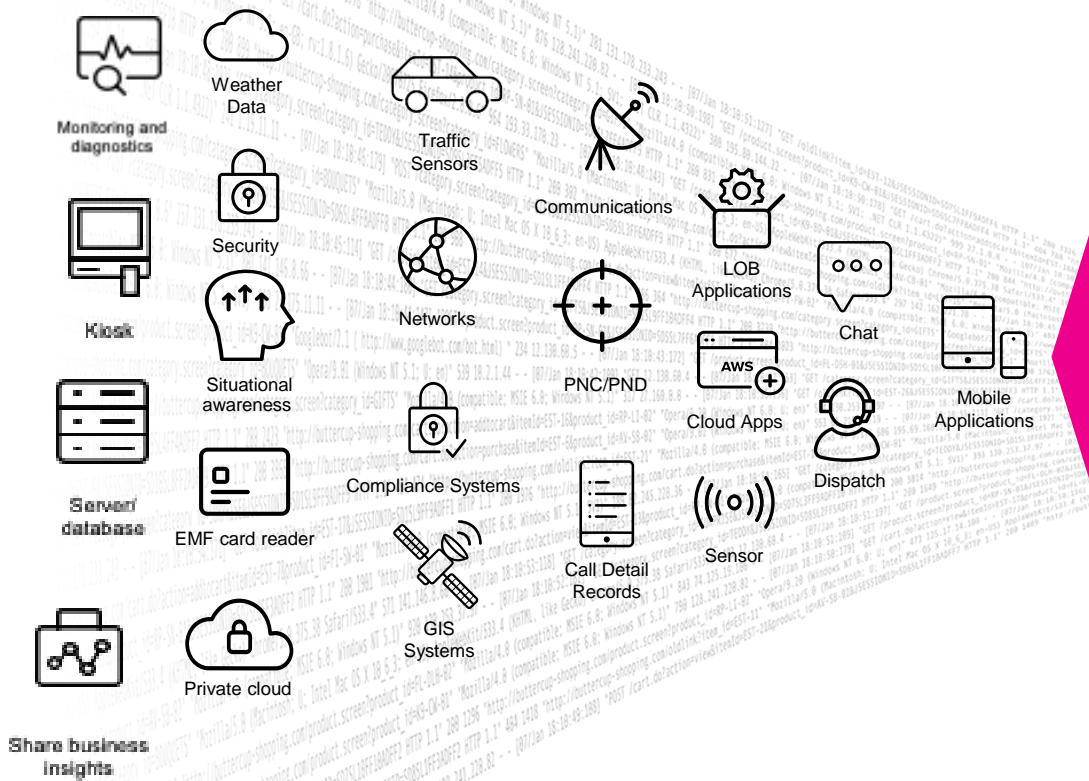
Previously with Microsoft UK Public Sector and with extensive experience in data transformation in BSkyB, Sony Computer Entertainment

Agenda

- One data platform
- Getting value from your data
- Key capabilities



A data platform for policing



Detect and investigate

Transforming forensics

Streamline Operational Processes

Compliance

Detection of cyber threats & IT performance issues

Detection of cyber threats
& IT performance issues

Control Pane Dashboard

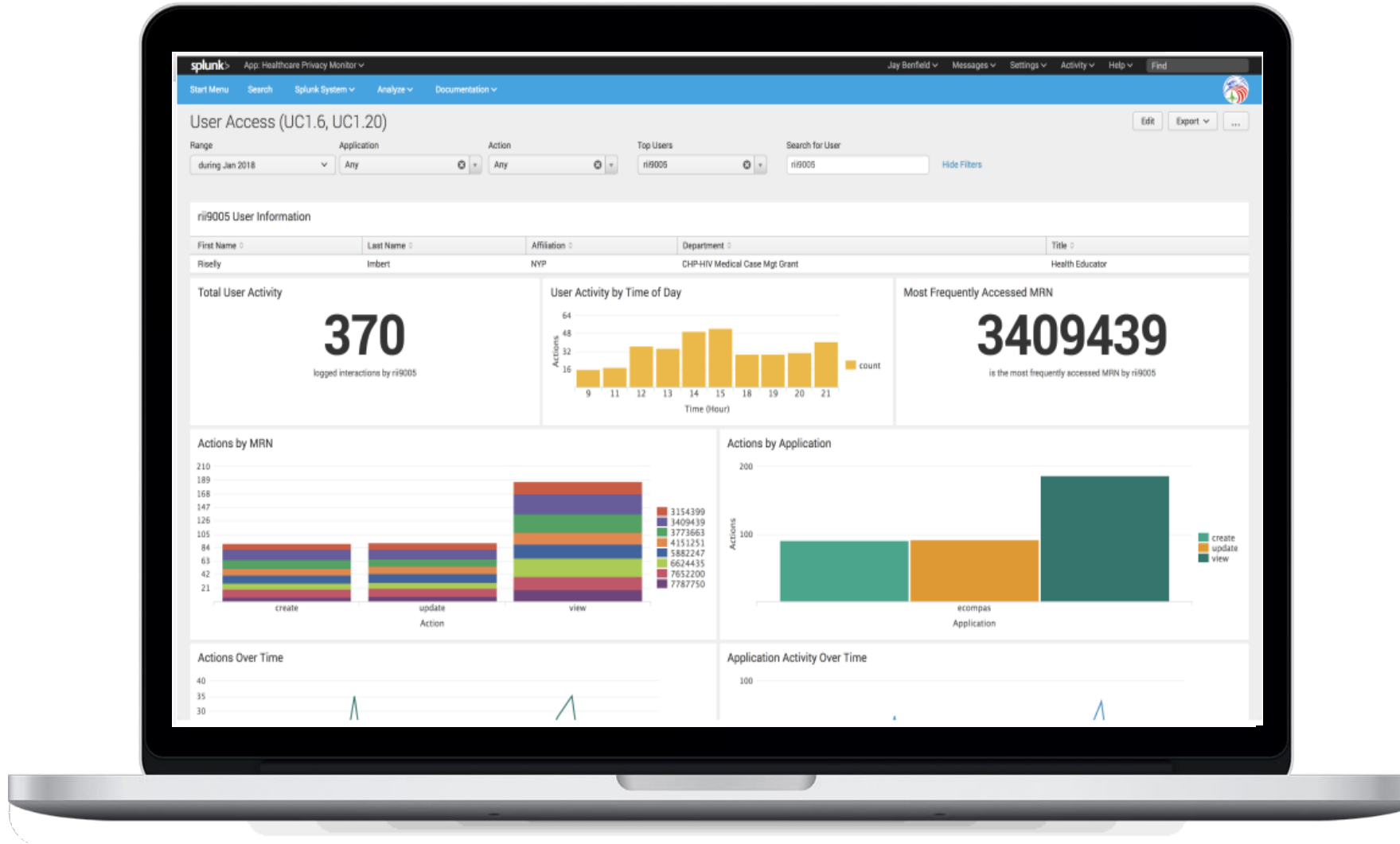
- Full-fidelity investigation
- Access to many data sources
- Alerts and Workflow



Compliance

Compliance Dashboard

- Privacy Monitoring
- Records Access Full-fidelity investigation
- Deviation from Normal

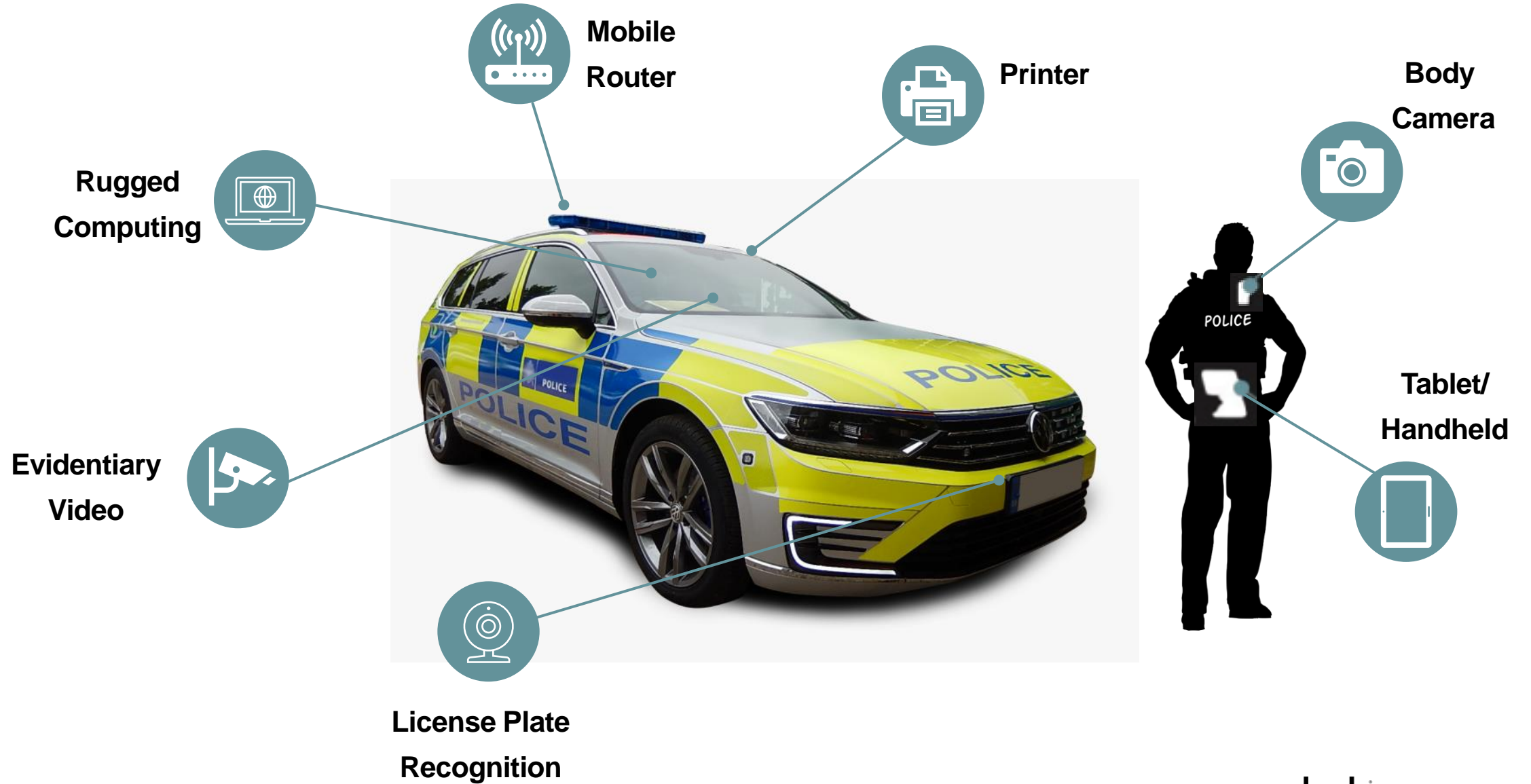


Streamline Operational Processes

Amsterdam: Transport System

- Main monitoring dashboard
- All KPI's on one screen
- Real-time
- Uses maps to highlight problems







Vehicle Device Operations

Edit Export ...

Select an Officer:

Jim Reed X

Hide Filters

Officer Profile



OFFICER: Jim Reed
RANK: Police Officer I

Patrol Vehicle

MAKE: Dodge
MODEL: 2017 Charger Pursuit



Open Incidents



Priority	ID	Device	Description
1	1444	Body Cam	WC S-Force Exceeded Maintenance
2	1432	Wireless Microphone	Mic audio distorted
3	1336	Dash Camera	Dash Cam 180 day maintenance

Cradlepoint State

Online

Cradlepoint Service Type

LTE

Cradlepoint RSRP

-107 dB

Cradlepoint RSRQ

-18 dB

Body Cam Record Status

On

Body Cam Record Reason

G-force Exceeded

Body Cam Primary Battery

%37 \downarrow
-11

Body Cam Backup Battery Life

%100 \rightarrow

Wireless Mic Battery Life

%32 \downarrow
-7

Wireless Mic TX Status

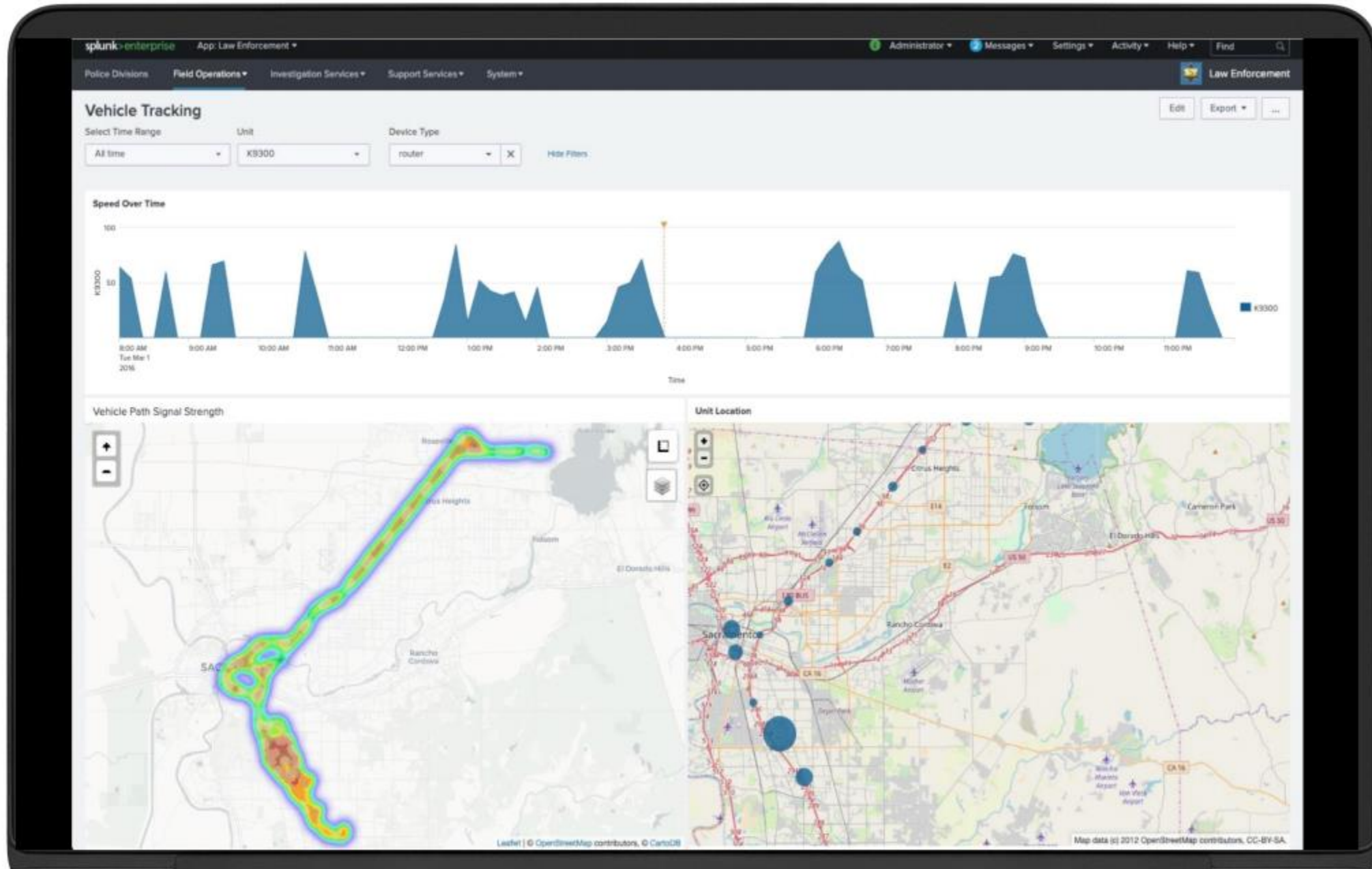
Recording

Dash Cam Temp

45C

Dash Cam Available Capacity

512GB



In-Vehicle Mobile Application



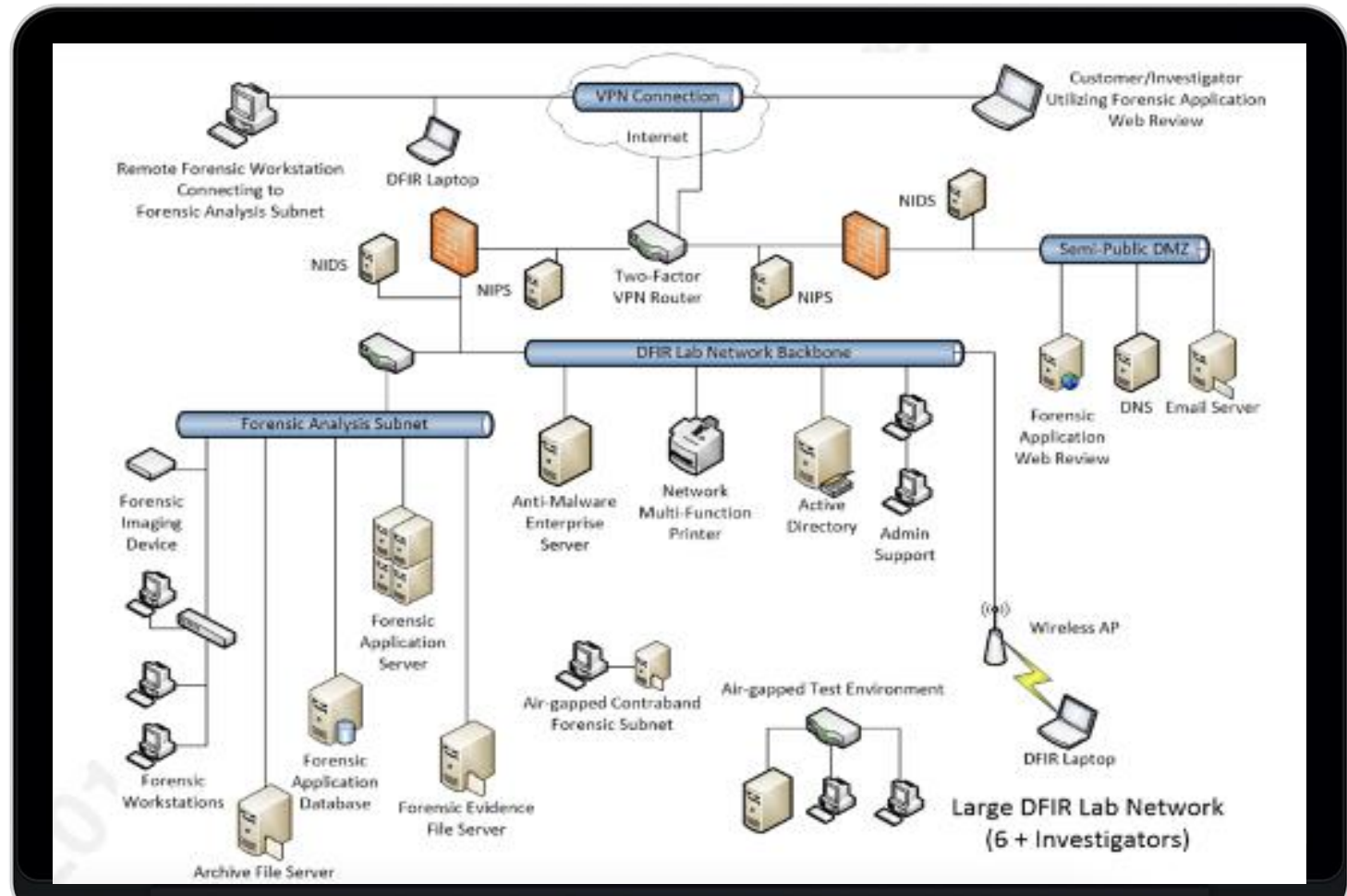
2 Main Use Cases:

- ❖ Primary Use Case: silent dispatch
- ❖ Secondary use case is keeping officers in field not on PCs in stations
- ❖ Also used by Met for:
 - ❖ Audit
 - ❖ Monitoring of Infrastructure

Transforming forensics

Monitor and protect forensics data and systems

- In-house solutions can be complex
- Large datasets
- Personal information
- Security of physical, virtual and cloud
- Compliance audit
- Service insights



Detect and investigate

The FBI's elite cyber investigative incident response team

Digital Forensics and Incident Response (DFIR) Expertise:

- Host Forensics
- Network Forensics
- Malware Analysis

With the use of Splunk Enterprise Security, it becomes possible to shorten investigation cycles while effectively prioritizing, confirming, and taking actions on higher priority threats rather than relying on manual, inefficient processes.





Automated human trafficking content classifier



Rapidly identify risky businesses, individuals, ads, and reviews



Assist partners mitigate risk and liability



Transparent risk classification



Scalable solution



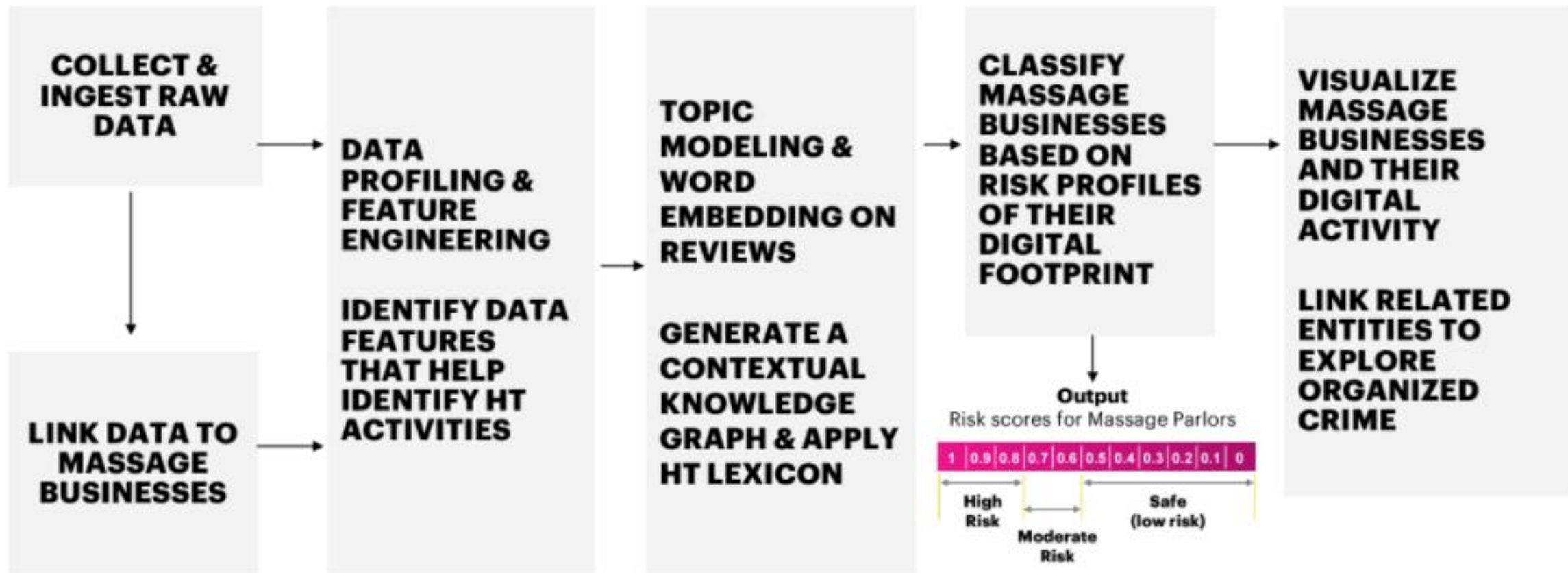
**GLOBAL
EMANCIPATION
NETWORK**

FIND EVERY VICTIM. STOP EVERY TRAFFICKER.

ARTEMIS

Proactive Human Trafficking Eradication

SOLUTION DESIGN



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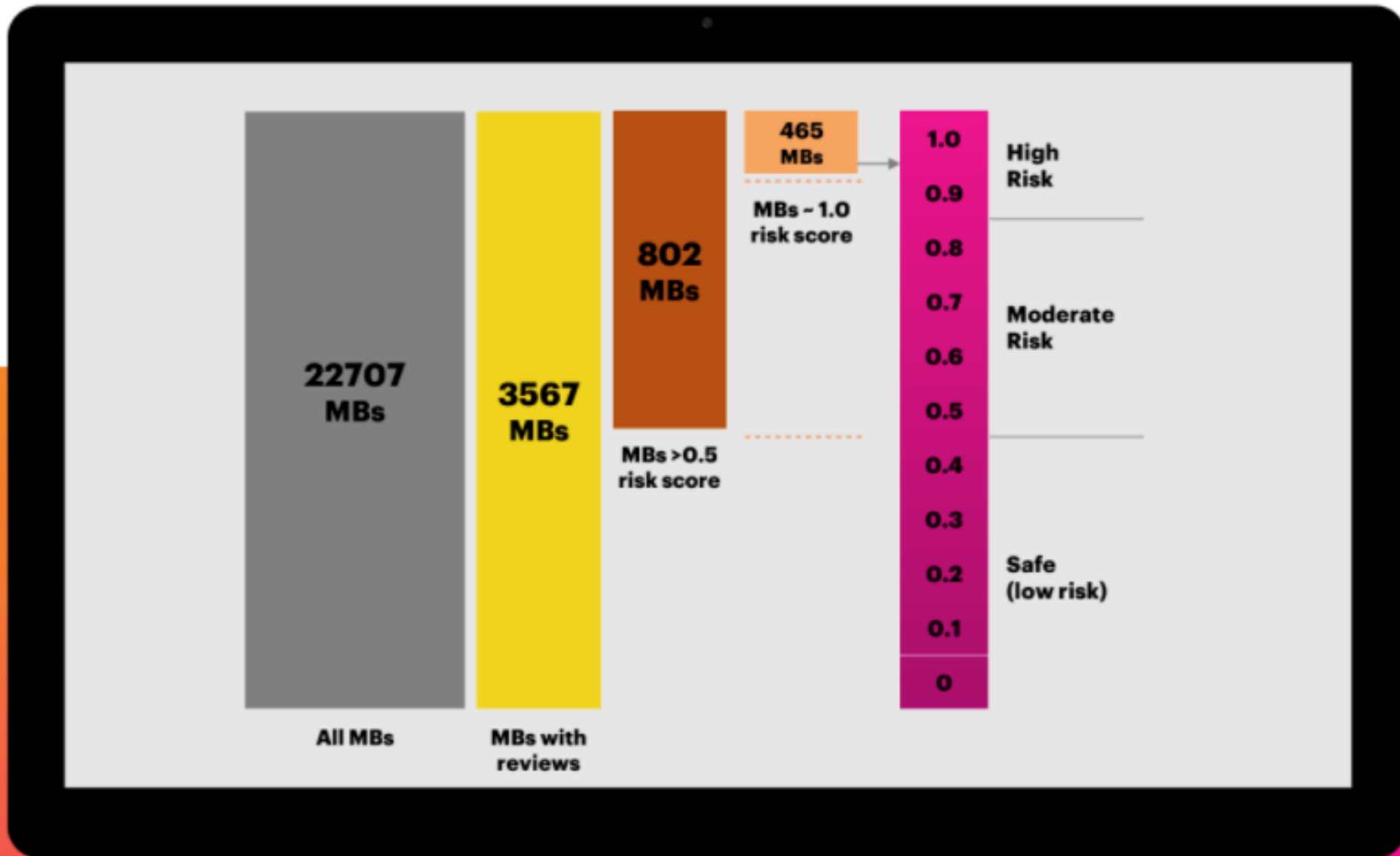
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FINAL OUTCOME



Key capabilities

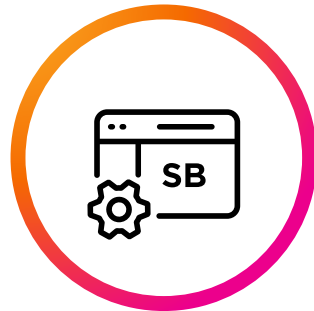
That make Splunk stand out from the rest

Diverse data sets



End-to-end visibility of complex processes

Agility



Adapt at pace

Any data



Structured and unstructured data

One data platform



Fits with your eco-system and economies of scale and effort

Personal information



Can remove personal information in live data streams

Opportunities for getting value from your data





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Thank you

