



# Cyber security at scale: solving the skills gap with real time data science

Simon Elliston Ball, Product Manager, Cloudera

# CYBERSECURITY IS A BIG DATA PROBLEM

**Data Problem** Huge volumes, inconsistent data from multiple sources, & real-time context is crucial - post-hoc investigation is too late **Complexity Problem** Too many point solutions, too many dashboards, too hard to correlate data across silos **Workload Problem** Cybersecurity staff overwhelmed with too many alerts, spend all day triaging events | alerts lose meaning Cloud, kubernetes and containers driving log expansion in customers beyond capacity

# DATA IN CYBERSECURITY IS A BIG DATA PROBLEM

# CYBERSECURITY IS A PEOPLE PROBLEM: SHORTAGES

Need people efficiency



# WHY CLOUDERA CYBERSECURITY PLATFORM?

Increased SOC Efficiency

Rapid Threat Detection

Reliable Insights

Automated Intel.

Detection









with integrated threats streams into single integrated view and toolset through real-time security data ingestion from disparate sources Use **ALL** the data: long term historical data collection, enriched by ongoing data collection and correlations

intelligent behaviordriven threat detection based on behavior profiles and machine learning

# Value on the journey

## Offload SIEM Costs

High speed sources Longer term retention Threat hunting Compliance

### Better Outcomes

Data science to reduce rules maintenance cost Behavior profiles automate baselining Hunt the APTs

### Advanced ML and Al

Better detection Automation of analyst activity Assist and prioritize

scarce analyst

resources

# SOLVING CYBERSECURITY AT SCALE

An architecture for real-time cybersecurity analytics







СПАСИБО ЗА ВНИМАНИЕ!