

# RSA® Conference 2019

San Francisco | March 4–8 | Moscone Center



BETTER.

SESSION ID: SPO1-T06

**Cybersecurity Silo-Busters:** 1  
**Cyberthreat Actors:** 0

**Sridhar Muppidi**

IBM Fellow and CTO  
IBM Security

**Devin Somppi**

Lead of Security Operations  
BriteSky, Enterprise Cloud Provider



# Enterprise Cloud. Simplified.

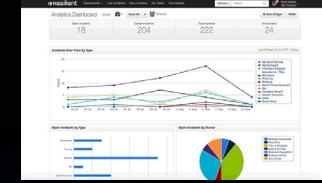


# Threat operations at BriteSky

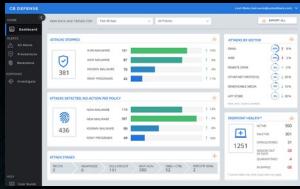
Flight Analysis



Incident Response



Endpoint Security



Cloud Storage



TIP



SIEM

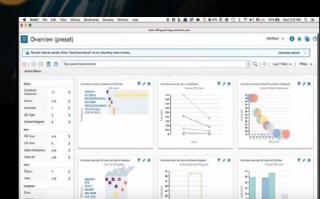


Threat Management



3

Data Security



# Cybersecurity is a universal challenge

## What's at stake...

**20.8 billion**

things we need  
to secure

**5 billion**

personal data  
records stolen

**\$6 trillion**

lost to cybercrime  
over the next 2 years

## What we face...

Compliance updates

GDPR fines can cost

**billions**

for large global companies

Skills shortage

By 2022, there will be

**1.8 million**

unfulfilled  
cybersecurity jobs

Too many tools  
Organizations are using  
**too many**  
tools from too  
many vendors

# Data integration: a barrier to getting value from security data

55%

Time consuming, complex data integration processes limit which data sources we can ingest.

# Simplifying security can have meaningful impact



# How do I get started?

Security analytics

Privileged user management

Access management

User behavior analytics

Data access control

Incident response

Data protection

Endpoint patching  
and management

Fraud protection

Identity governance and administration

Network visibility and segmentation

Mainframe security

Vulnerability management

Network forensics and threat management

IDAoS

Malware protection

Application  
security

Application  
security management

Firewalls

Device management

Transaction protection

Criminal detection

Sandboxing

Virtual patching

Indicators of compromise

Threat and anomaly detection

Content security

Threat sharing

Endpoint detection  
and response

Malware analysis

Threat hunting and investigation



# Drive collaboration by breaking siloes

1. Gain total insights for all data, wherever it resides
2. Respond more quickly, with unified experiences
3. Improve security posture with collective intelligence



# The future of security is connected



Catalog

Applications | Solutions | Services

*from Vendors, Partners, Clients, etc.*

Cloud  
Platform

Open Threat &  
Data Integration

AI and  
Analytics

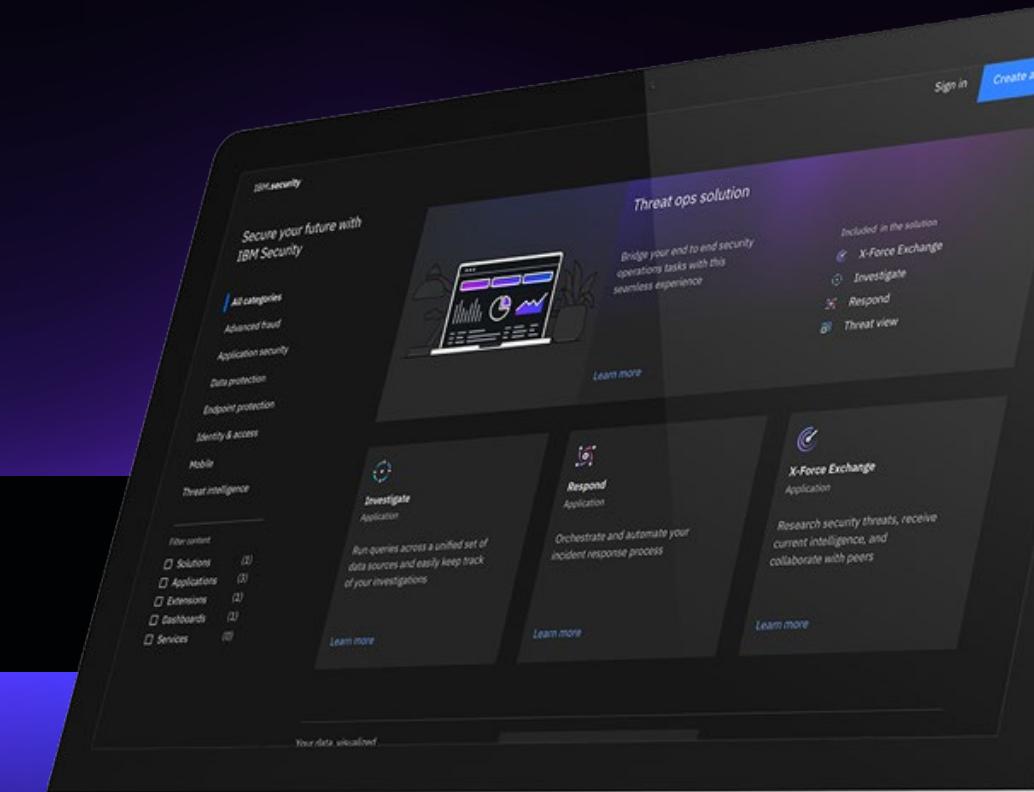
Orchestration

Existing  
Infrastructure

On-premises security tools  
and infrastructure

Public and private  
clouds

Mobile devices  
and endpoints



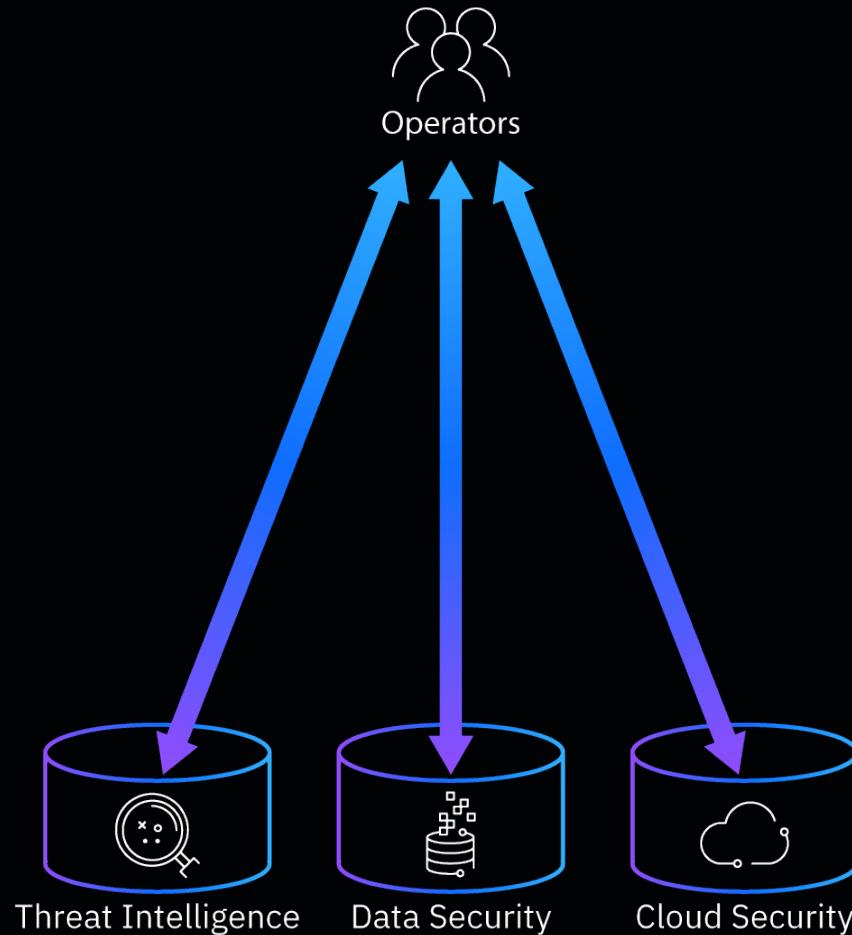
**RSA®**Conference2019

## Use Case: Responding to Threats

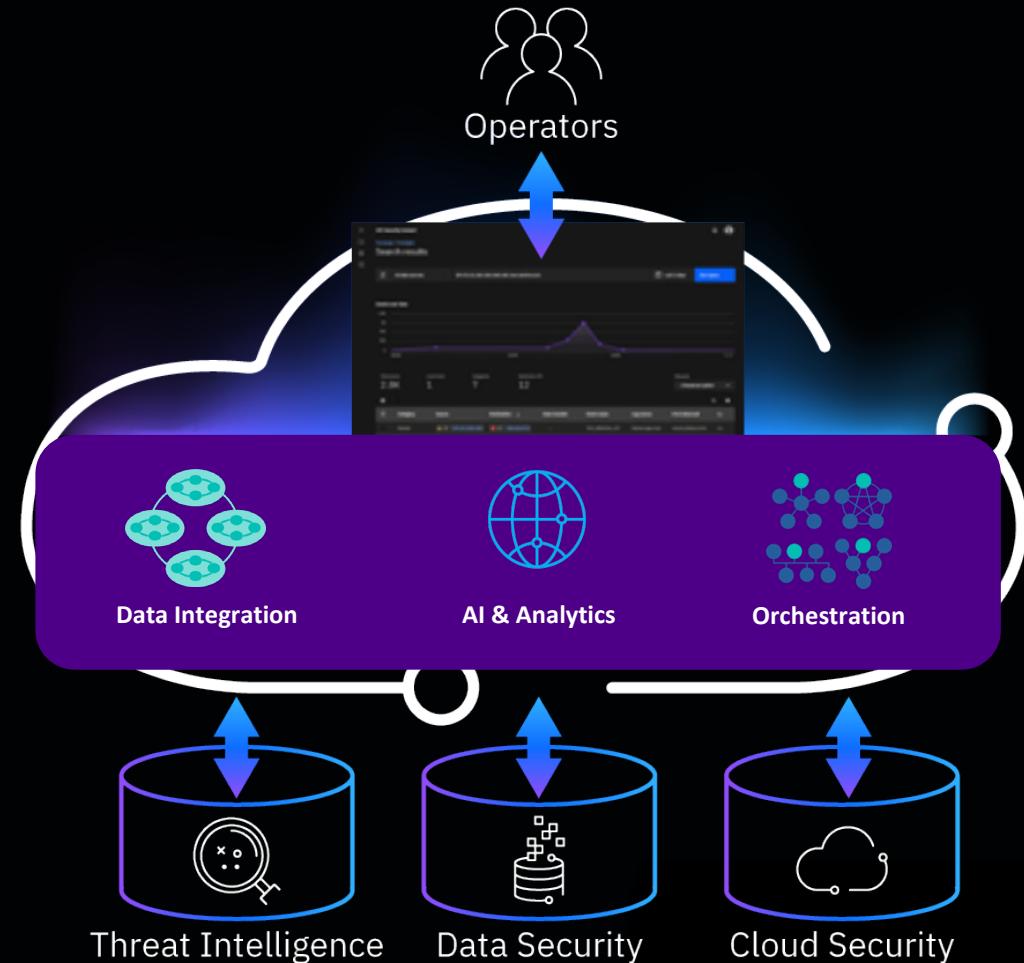


# Threat operations: respond effectively

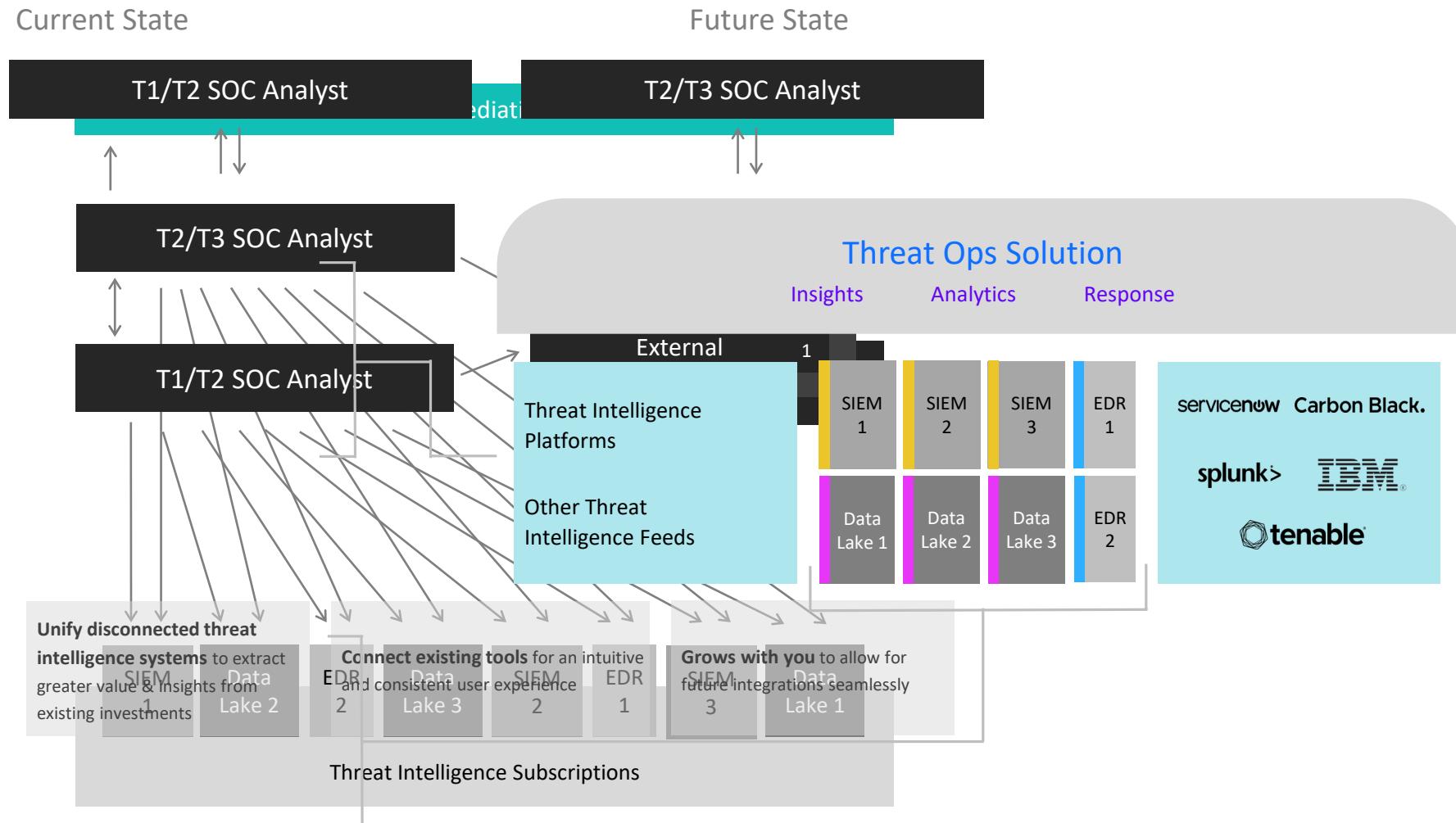
Siloed applications hamper workflow & result in missed context due to isolated analytics



Connected applications, on a common platform, sharing analytics, context and enhancing each other



# Threat Ops: SOC integration



SOC Analysts correlate data from **multiple disparate, isolated products**, conduct investigations **across various tools**, and respond with **inefficient processes**.



# Re-thinking security analysts' roles

## Change analysts' roles:

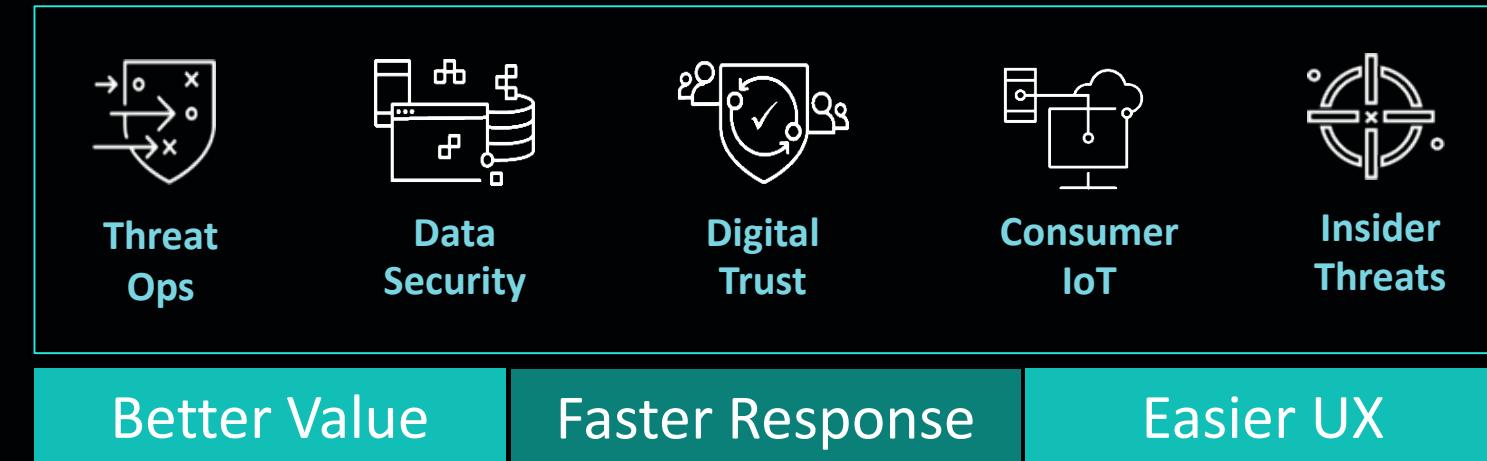
- Do I still need Level 1, 2 and 3?
- Can I reduce on-boarding time and time to action for analysts?
- Can I expand the hiring pool for analysts?

Expand offering; look at more data sources

Protect consumers efficiently



# Break out of your siloes to discover what's possible



Carbon Black.



Smarttech



vmware®



splunk®

# Start innovating!

Join in the endeavor to turn security into a team sport:

- Start busting data siloes
- Collaborate and demand open tools
- Visit IBM, Booth **#N5759** to learn how to begin your journey



# RSA® Conference 2019

Thank you!

