

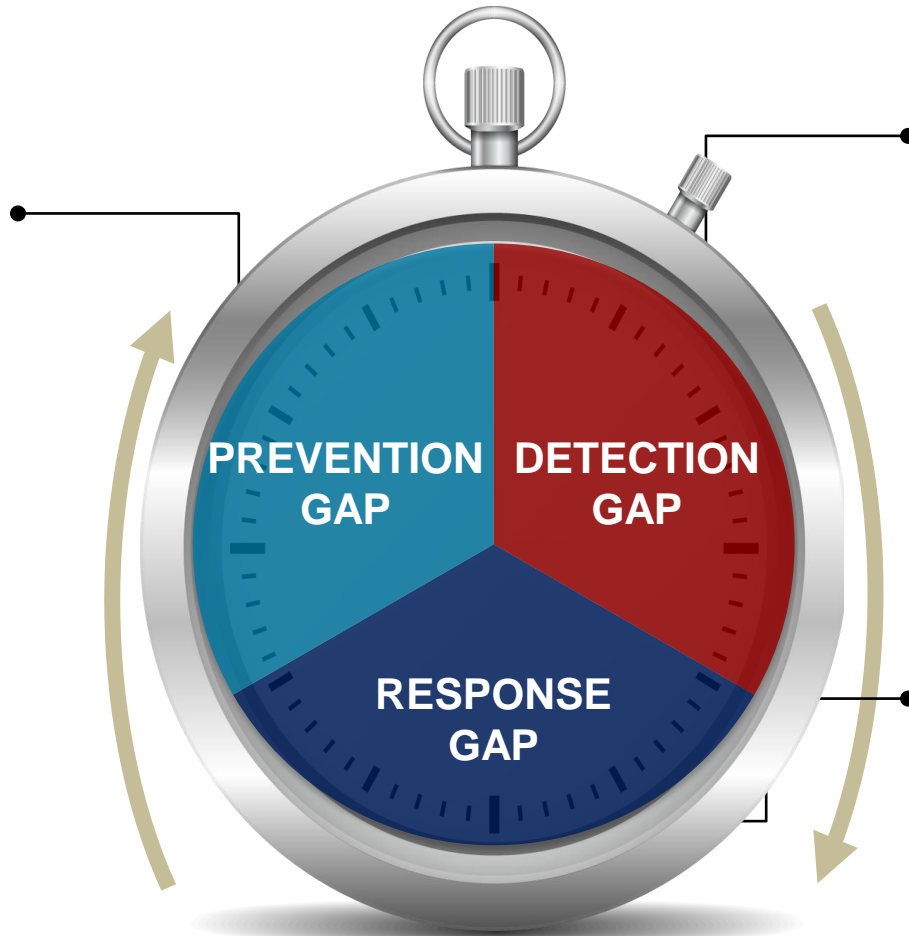
# Incident Detection and Response with SIEM

Cameron Naghdi  
Systems Engineer



# Challenge: Enterprise Cyberthreat Gap

**Prevention Gap**  
Time to put preventative measures in place to avoid future attacks  
*Can we avoid this from happening again?*



**Detection Gap**  
Time between actual breach and discovery  
*Have we been breached?*

**Response Gap**  
Time between discovery to remediation to limit damage  
*How bad is it?*

# Log Intelligence



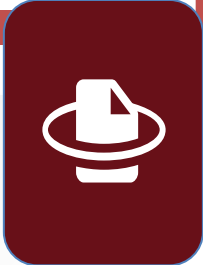
**Real-time  
Correlation  
Engine**



Real-time correlation of a SIEM with a powerful security analytics engine



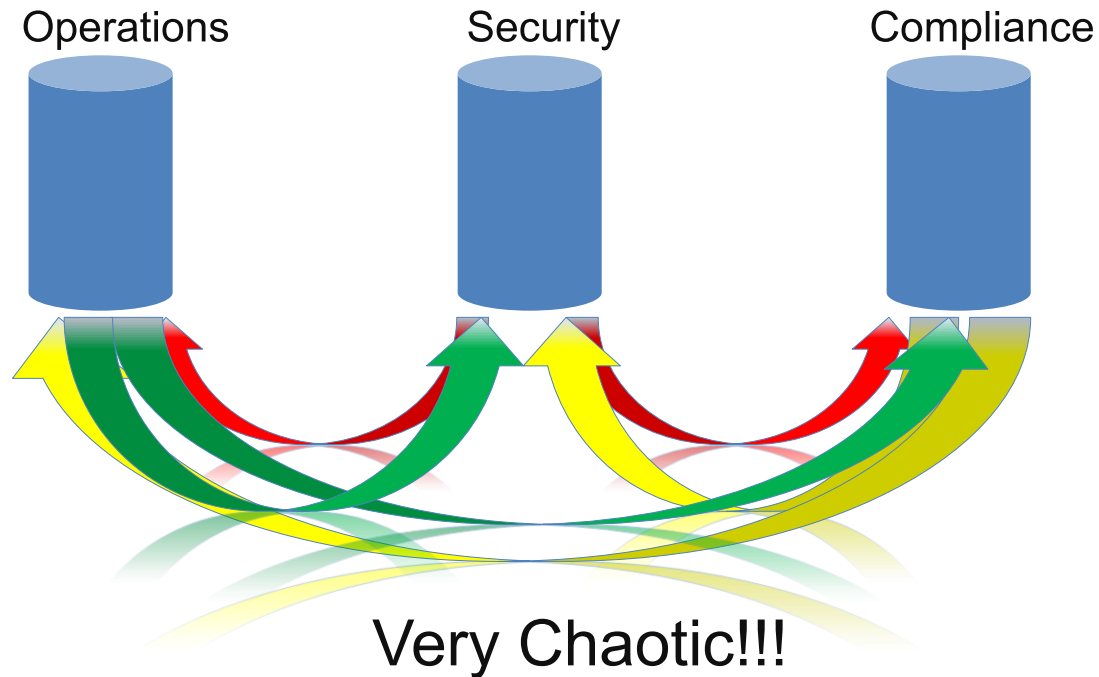
Encrypted, resilient, and high- performance log collection and storage



Visualization & Analytics for forensics, reporting & incident response



# When an Incident Occurs...



- This creates confusion today and increases time to response
- The enterprise loses visibility without business focused context
- The incident continues to affect critical systems and cost money

# Many Compromising Problems Are Difficult To Discover



Logging turned off



FTP event to foreign IP



New user added



Login successful



FTP enabled



10 failed logins



DLL modified by new user



*Just Detecting Change Is Not Enough...*

# Multiple Intelligence sources Are Required



Logging turned off



New user added

Typical FIM **cannot** provide these types of alerts. **Change intelligence is required.**



FTP enabled



DLL modified by new user

# *Just Detecting Log Events Is Not Enough...*

## **Multiple Intelligence Feeds Are Required**



FTP event to foreign IP



Login successful



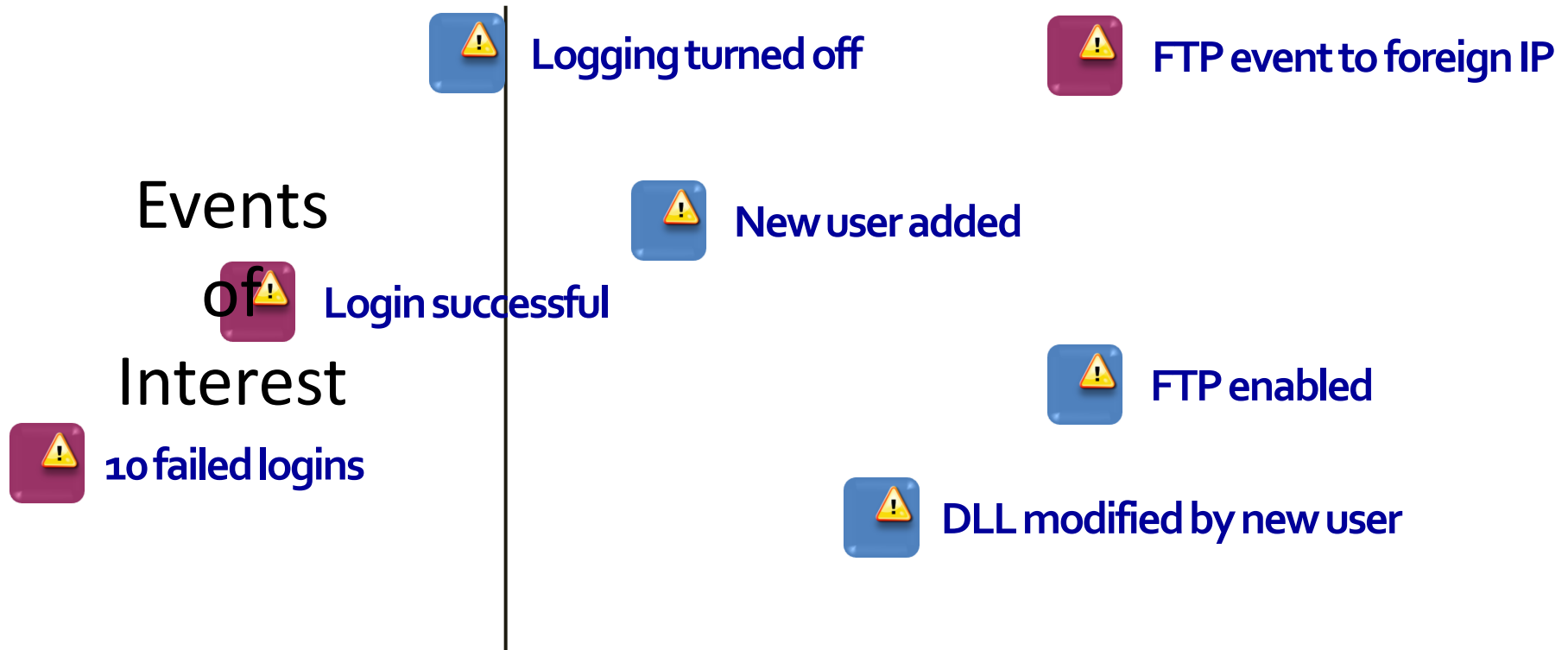
10 failed logins

Log management alone **cannot** alert on these events—**SIEM is required.**

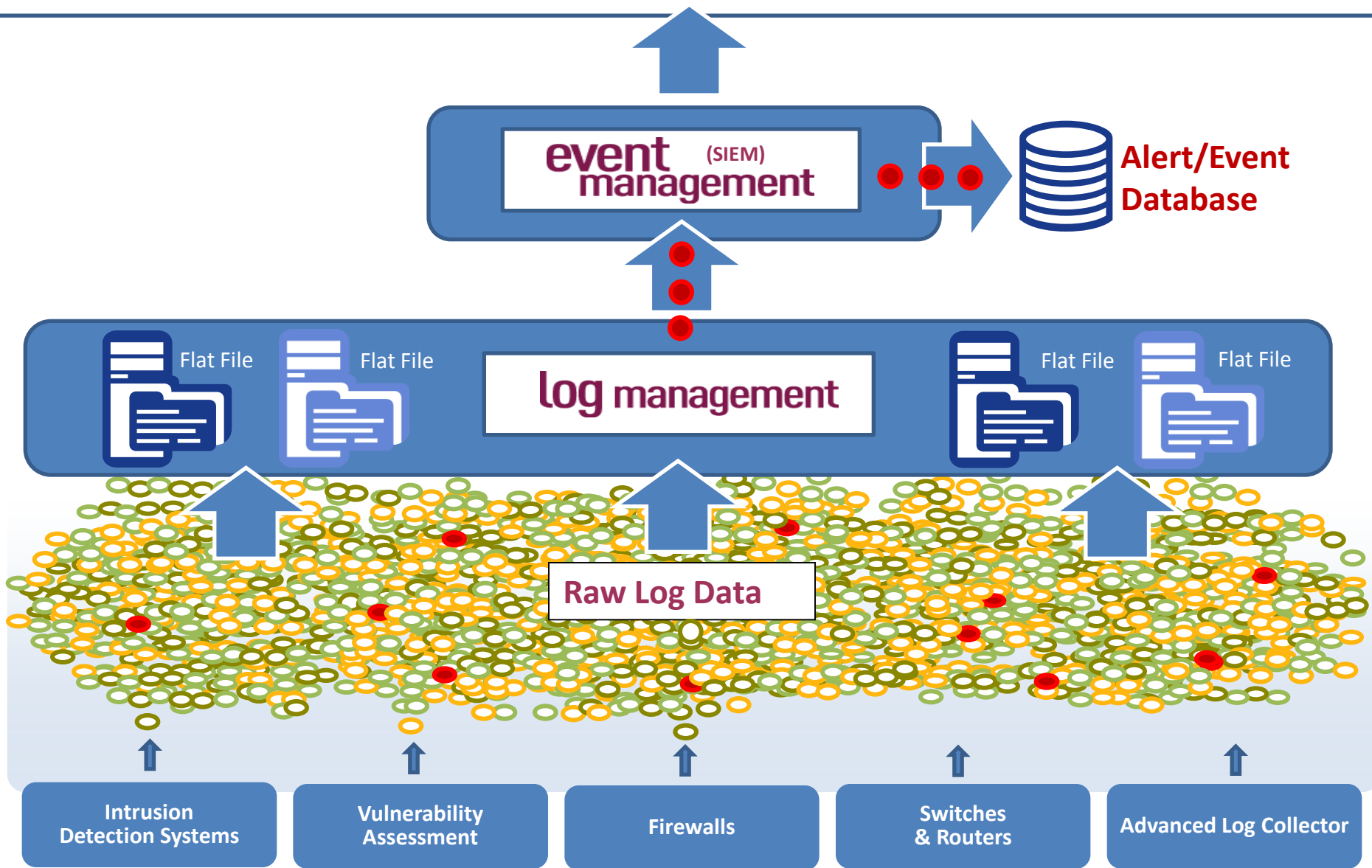


# Relating Change Events to Log Events...

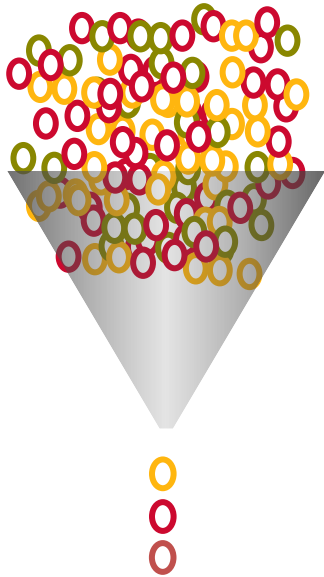
## Best Chance To Discover Compromises



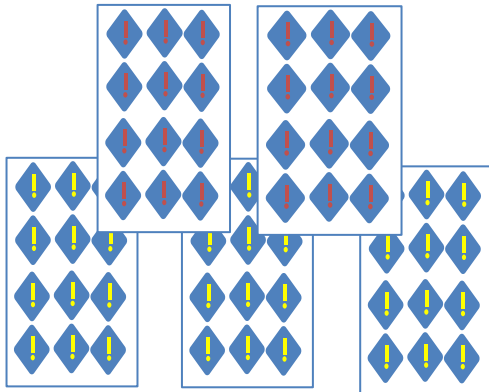
# Automation And Integration



# Security Controls Today



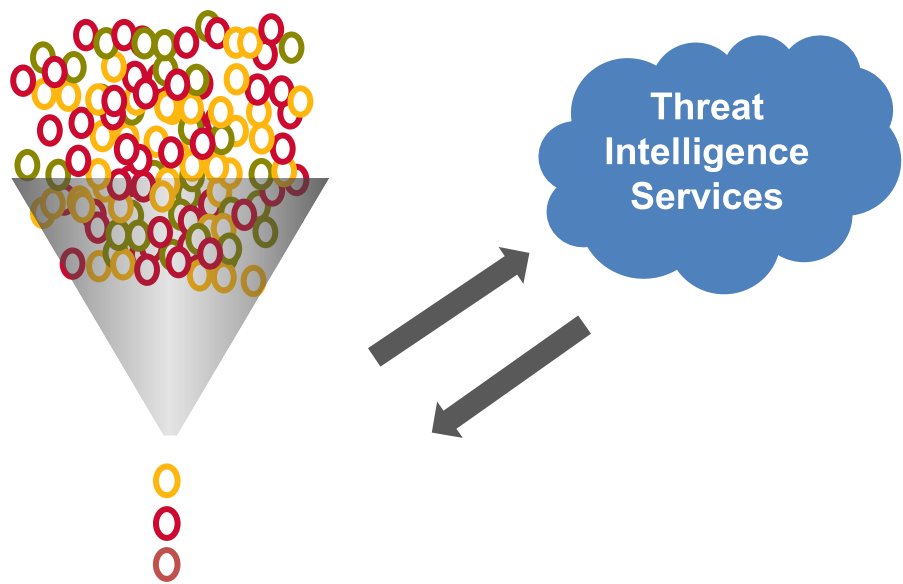
Changes of Interest



**Prioritize, investigate, and  
remediate suspicious  
changes**

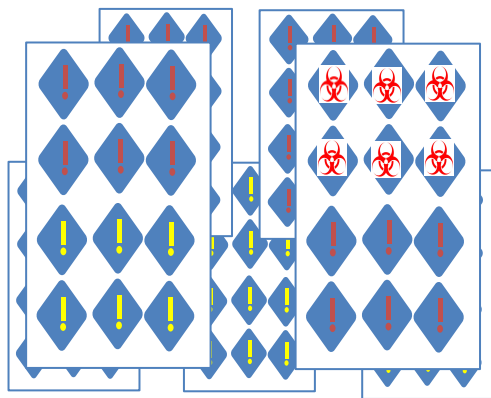


# Integrating Intelligence to Security Controls



- Identify indicators of compromise
- Detect & eliminate zero-day threats
- Shorten time to detection & remediation
- Protect against repeat threats

Changes of Interest



**Prioritize, investigate, and remediate suspicious changes**



# Q&A

THANK YOU

