Security in knowledge

From Hours to Seconds

Making Security Management Real Time

Gretchen Hellman

McAfee

RSA CONFERENCE 2013

Session ID: SPO2-W23A

Session Classification: General Interest

The Information Arms Race

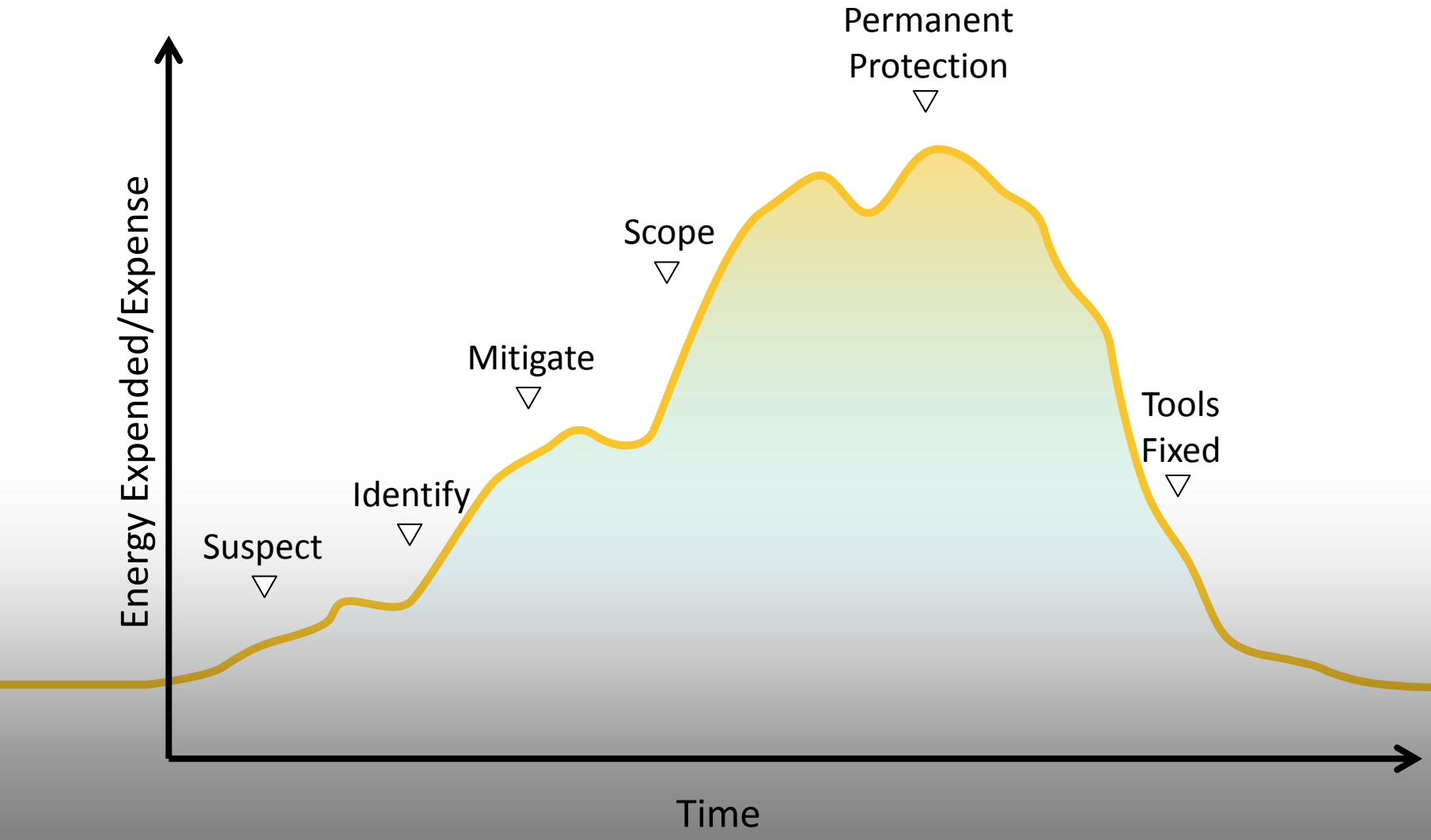
OLD ATTACKS

- Amateurs
- Noisy
- Curious/mischievous
- Script driven
- Untargeted

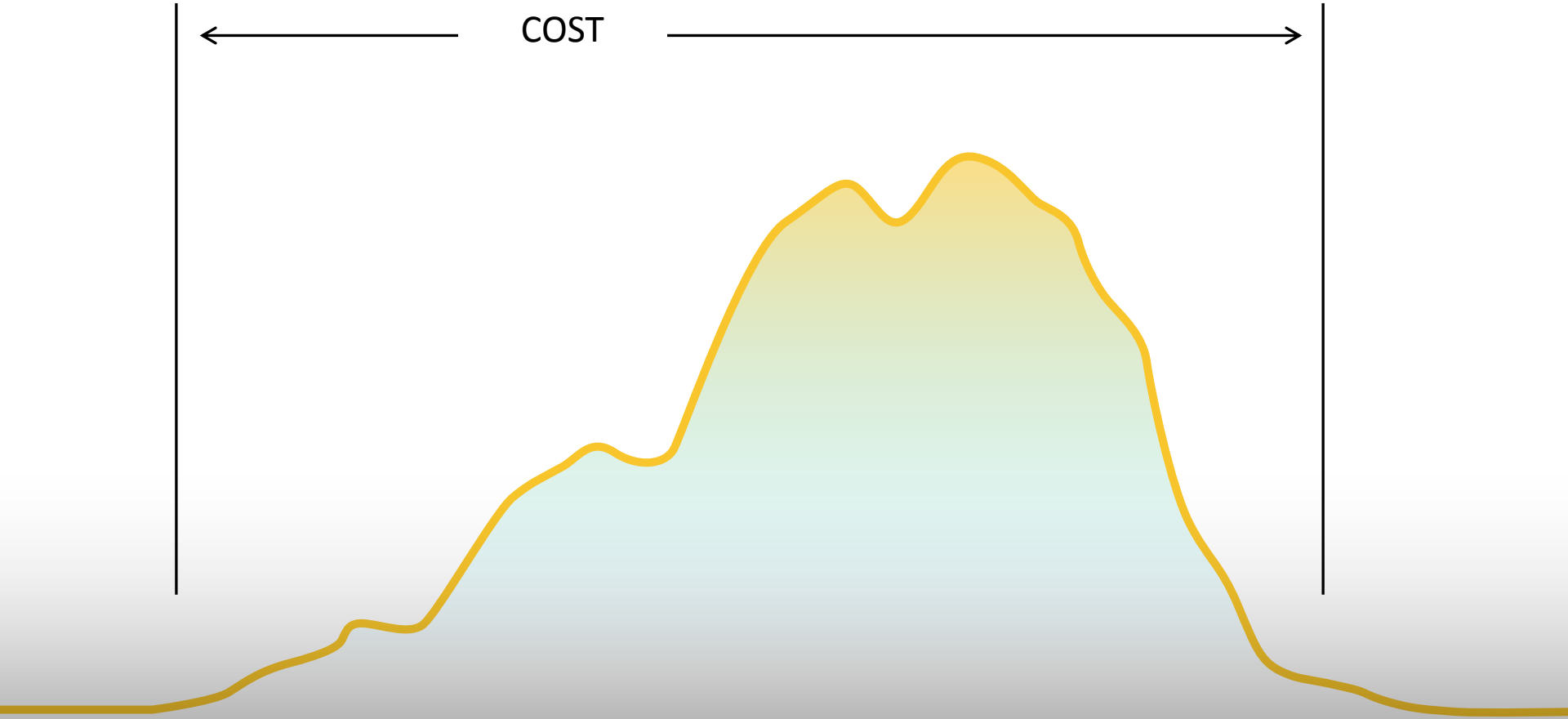
NEW ATTACKS

- Professionals
- Stealthy
- For profit/intentional damage
- Professionally developed
- Targeted

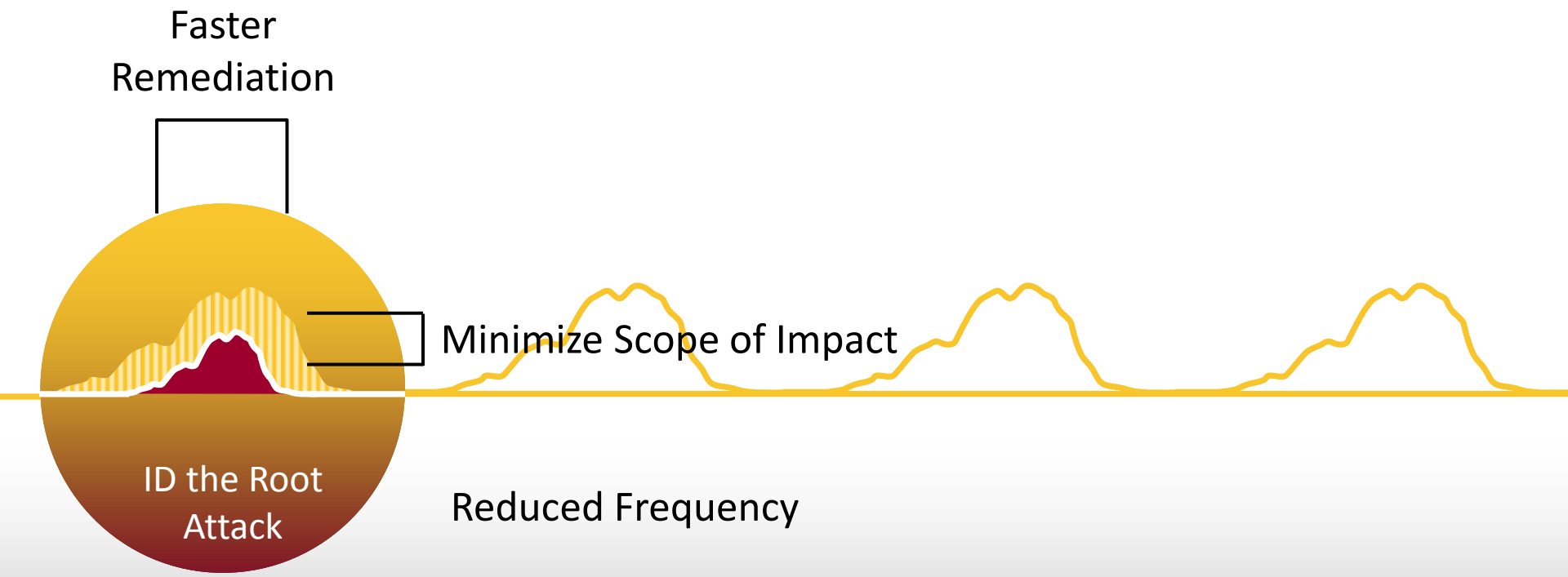
Incident Response Lifecycle



Incident Response Lifecycle

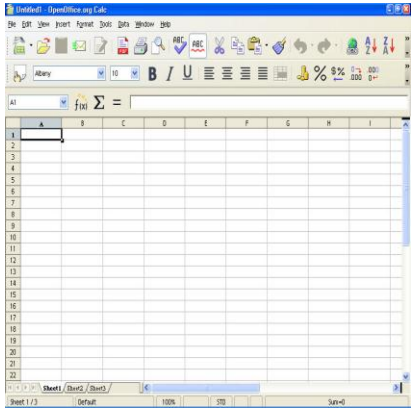


Incident Response Lifecycle



Security Management Chaos

- Console hopping
- Manual investigation
- Waiting for answers
- Waiting for updates
- Missing what's important



Shortening the Process

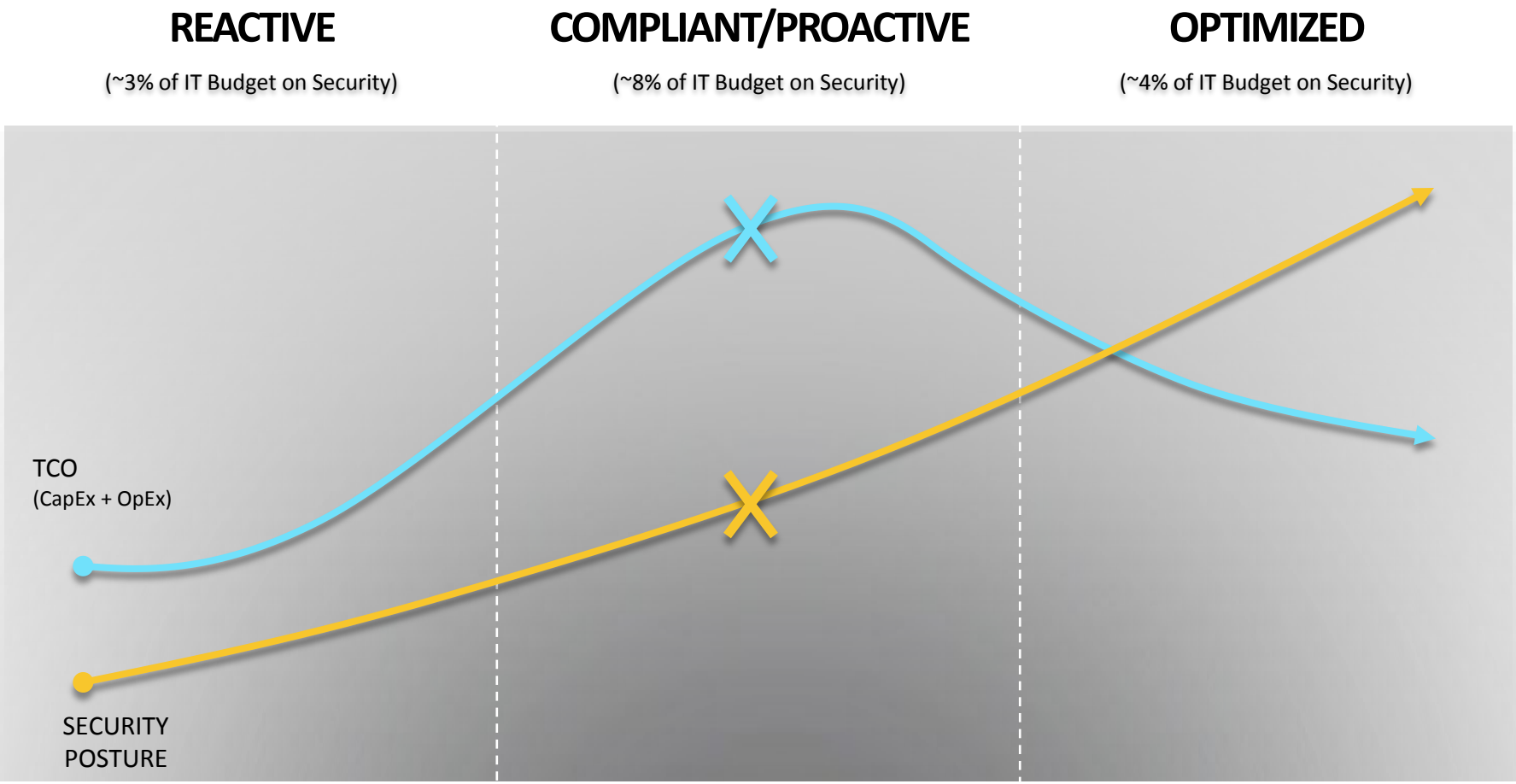
- Intelligent recognition of threats
  - Rich context, risk based analysis

- Real-time active inspection of system state
  - Moving from spreadsheets and phone calls to real-time queries

- Respond with precision
  - Automate key steps and surgically addressing threat

Getting There

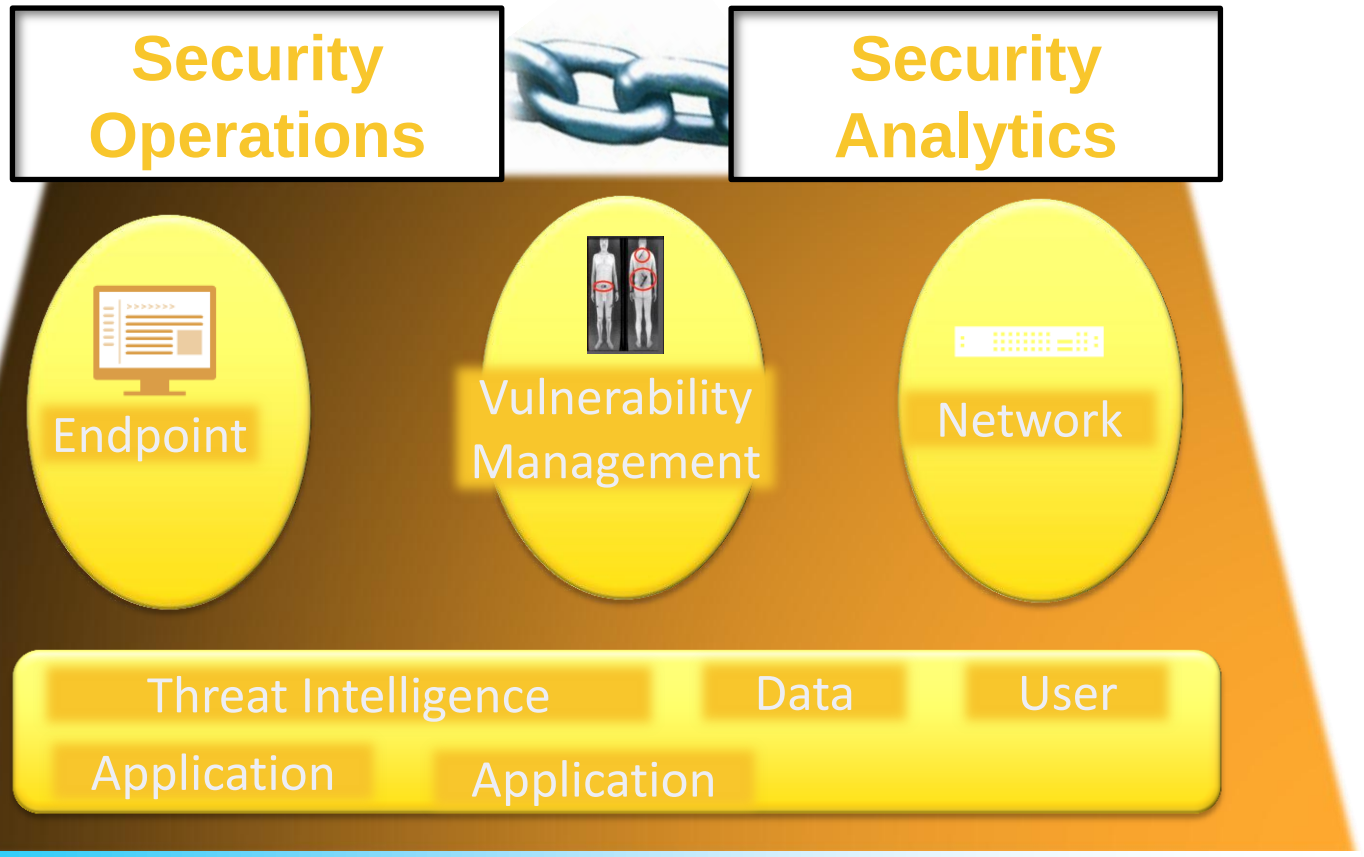
Security Maturity Model



SECURITY OPTIMIZATION

Bridge Silos

Connected, Intelligent, Real Time



Security Analytics Needs

MOVE FAST

Performance in all areas – insertion, enrichment, queries, dashboards, analytics – is essential

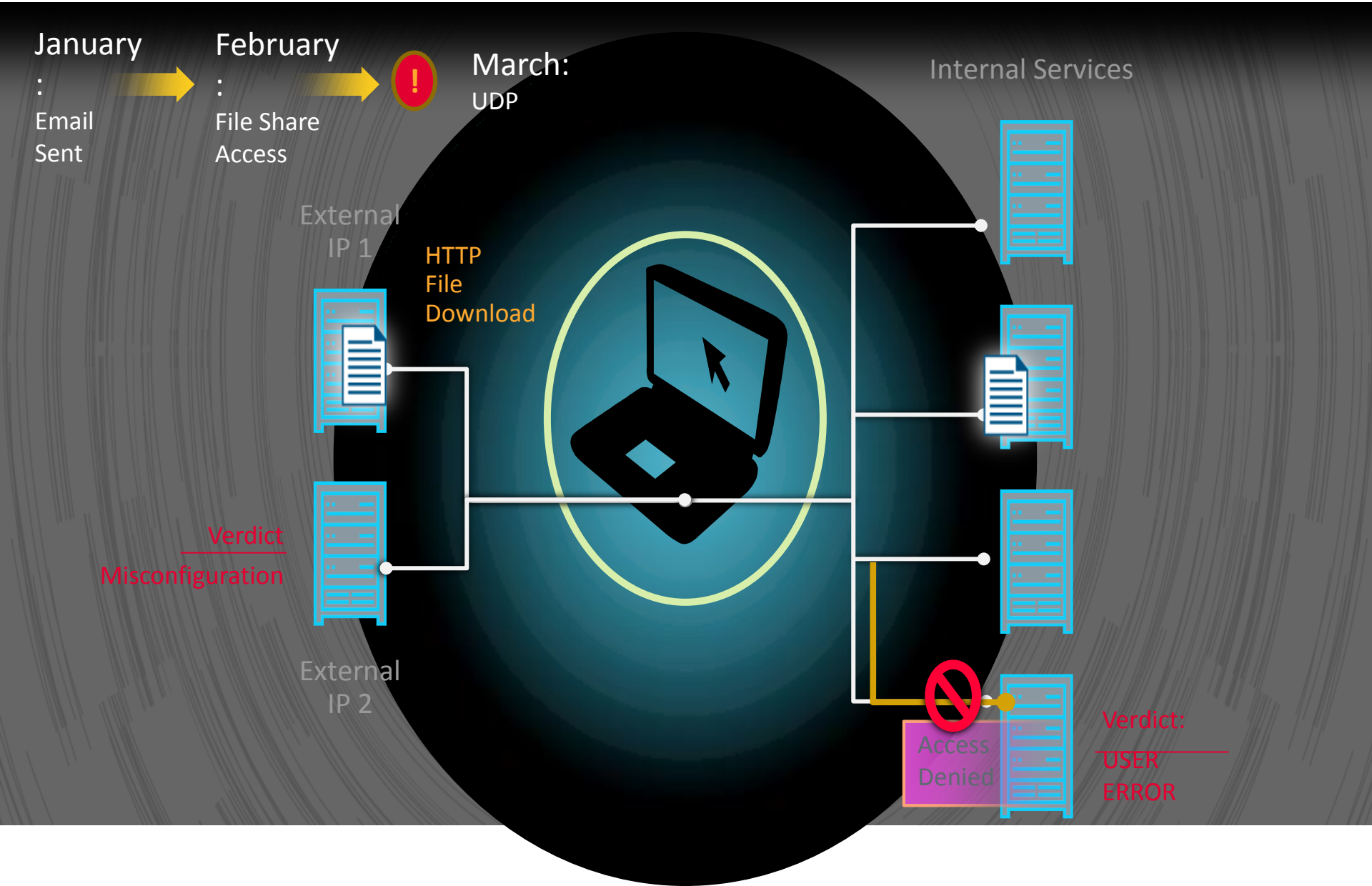
LEARN QUICKLY

Turn billions of "so what" events into Actionable Information via context, content and advanced analytics

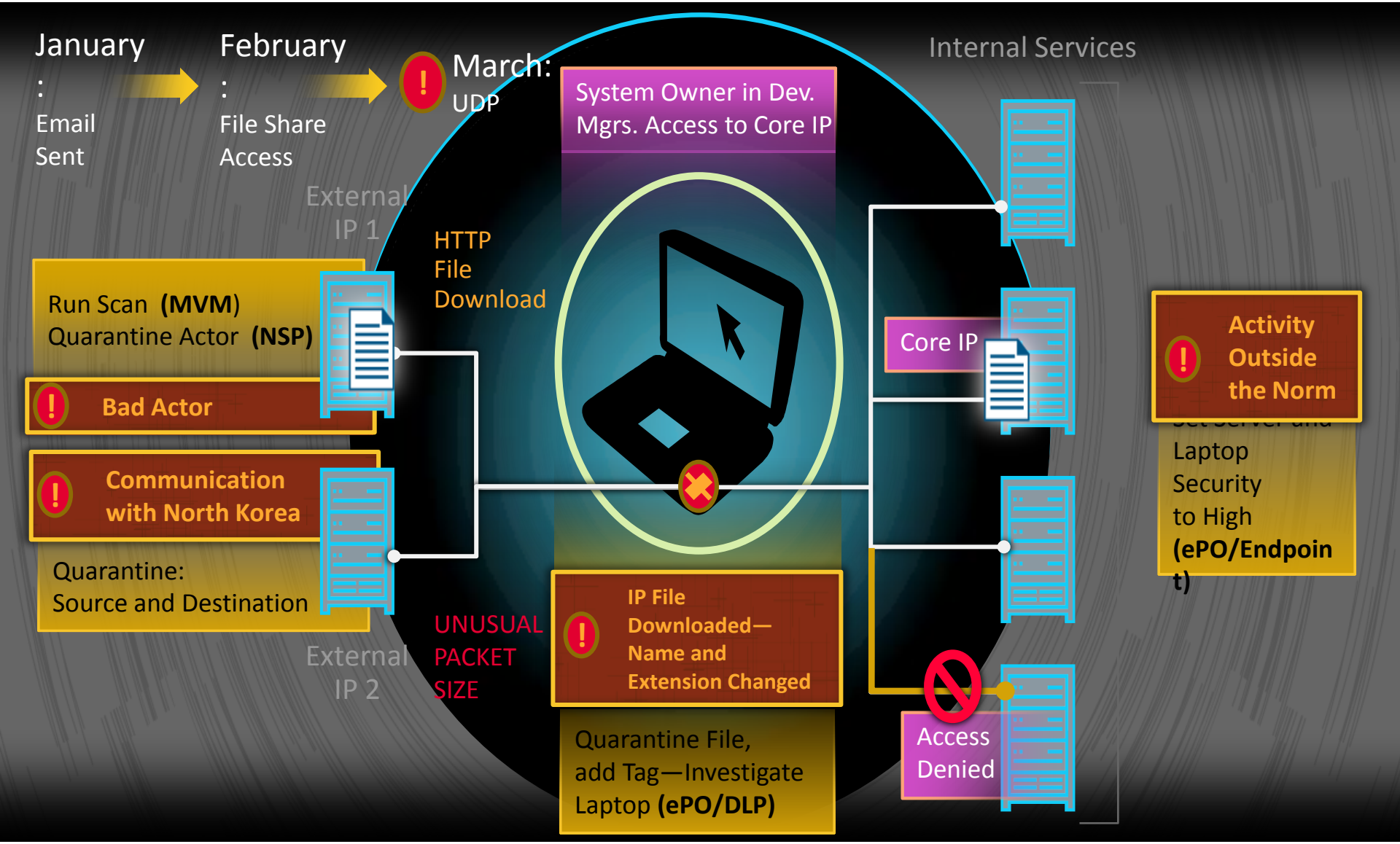
ACT DECISIVELY

Understand common scenarios, automate steps, streamline processes

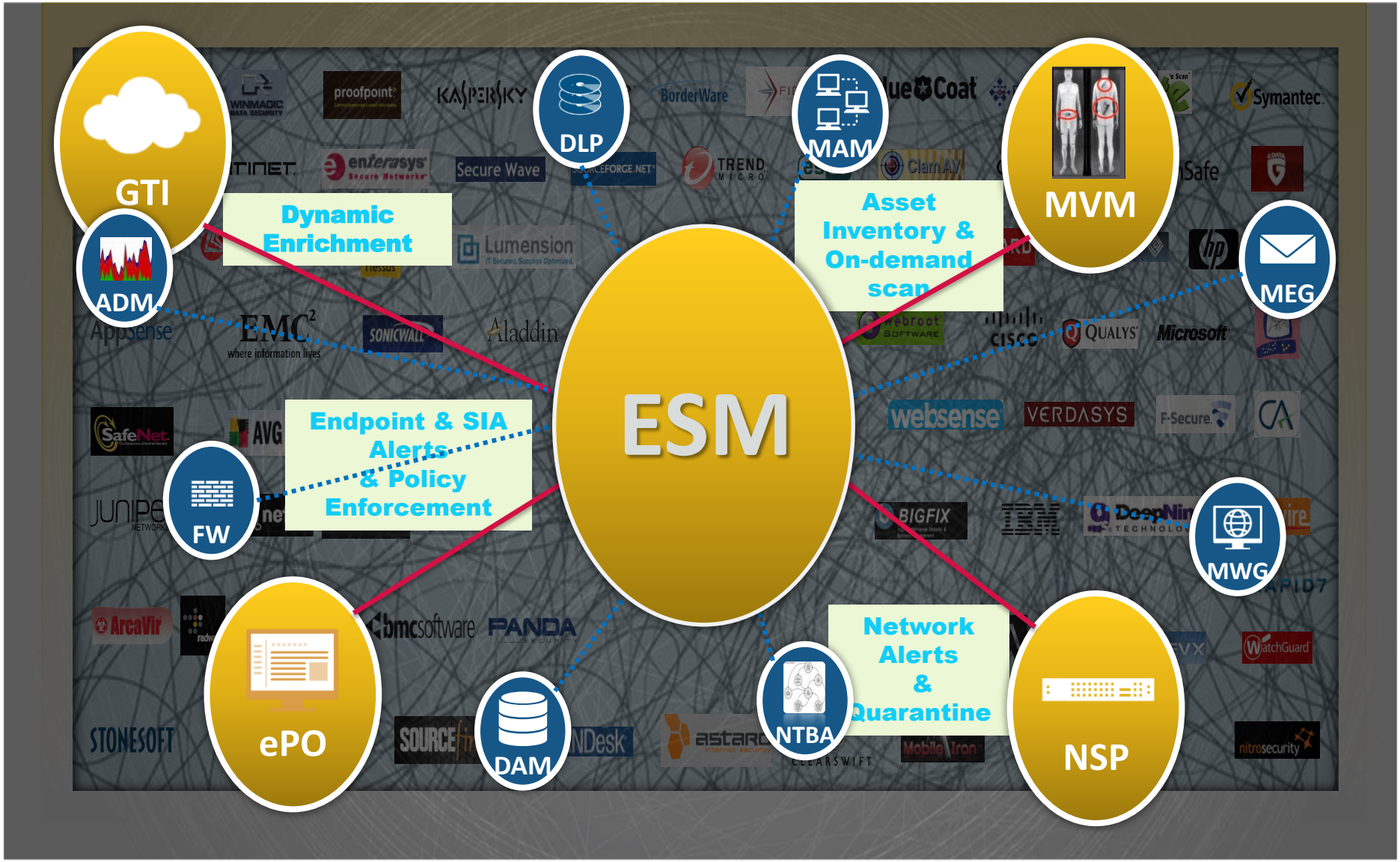
Missing Something?



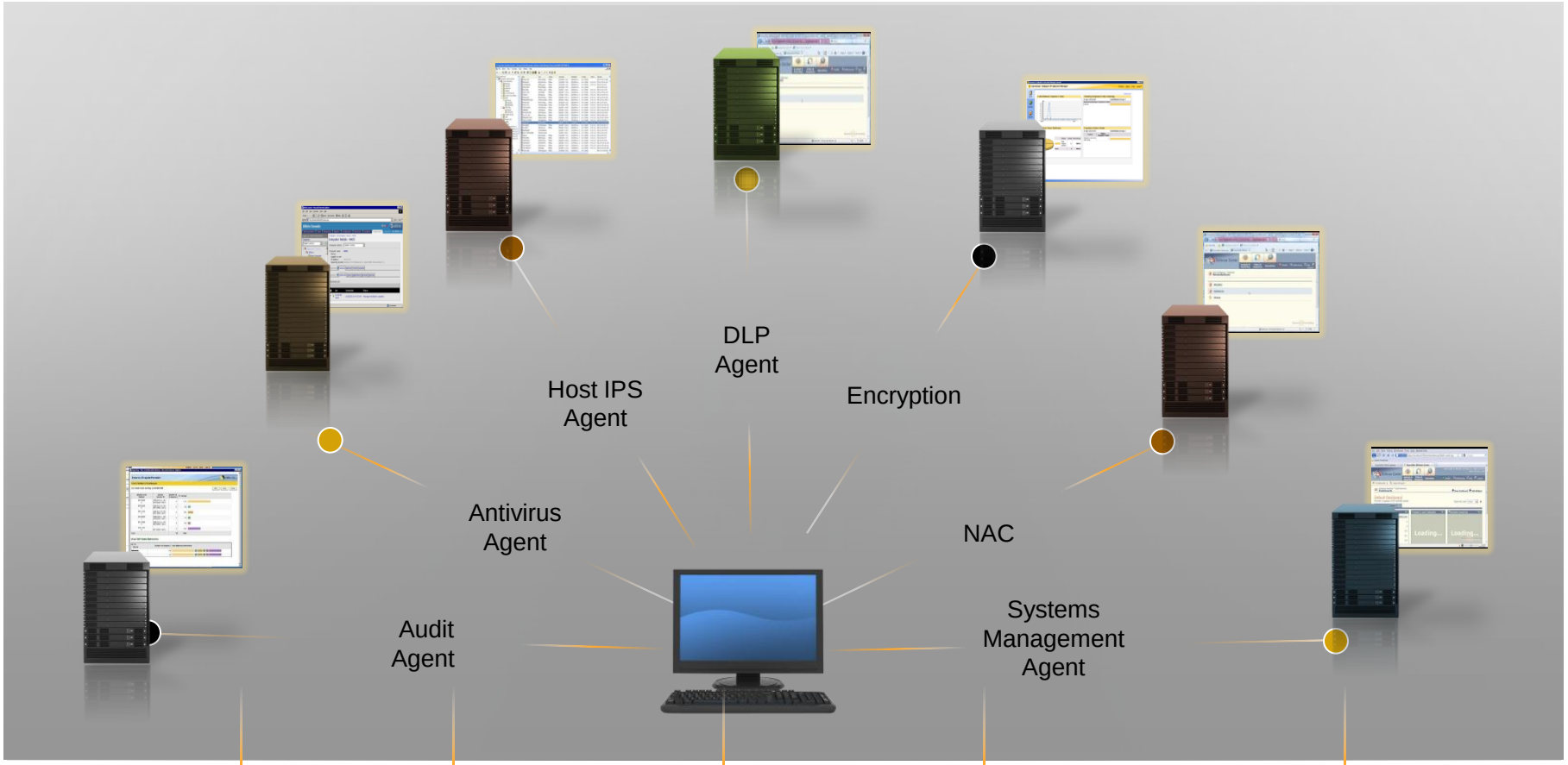
Acting with Context



Intelligent Integration Example



Consolidating Operations



EVERY SOLUTION HAS AN AGENT

EVERY AGENT HAS A CONSOLE

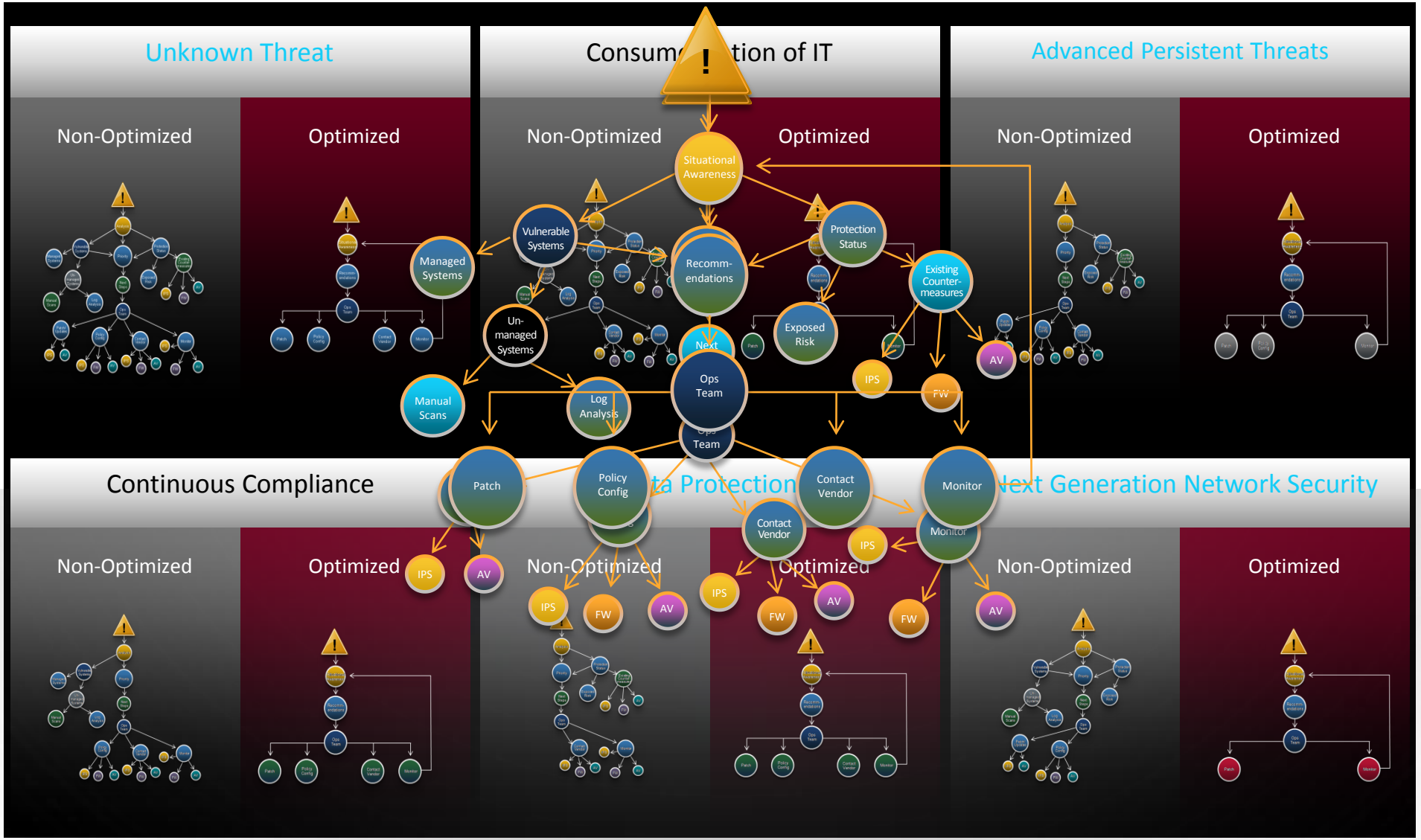
EVERY CONSOLE REQUIRES A SERVER

EVERY SERVER REQUIRES AN OS/DB

EVERY OS/DB REQUIRES PEOPLE, MAINTENANCE, PATCHING

WHERE DOES IT END?

Common Security Use Cases



Streamlining Security Management

AUTOMATIC,

INTELLIGENT,

CONNECTED

- Drastically shorten time to respond and improve visibility
- Actionable intelligence through contextual SIEM
- The answers you need….Now