



ENTERPRISE PERFORMANCE MONITORING NETEYE 4

Unified Monitoring und Security Information und Event Management

- NTOP and Würth Phoenix are long term partner (over 10 years)
 - Network monitoring and visibility
 - Integrate ntopng enterprise in NetEye 4
 - Vision NetEye 4 SIEM

Attacks are inevitable



Winter is coming: adapt to react!

05.02.19



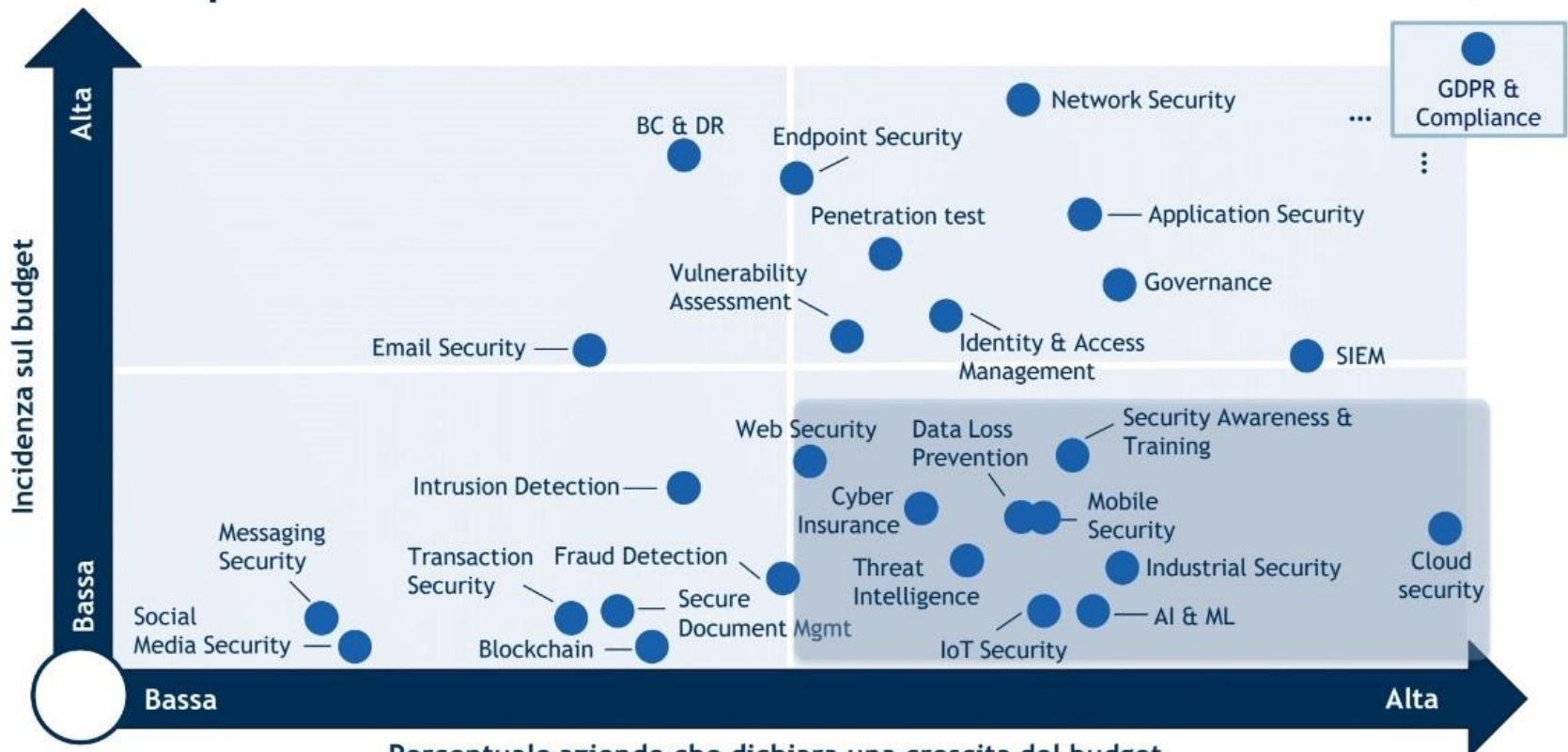
#OISP19



Network Digital360 - Events

La scomposizione del mercato

SSERVATORI.NET
digital innovation



Campione: 166 grandi imprese

Percentuale aziende che dichiara una crescita del budget

Winter is coming: adapt to react!

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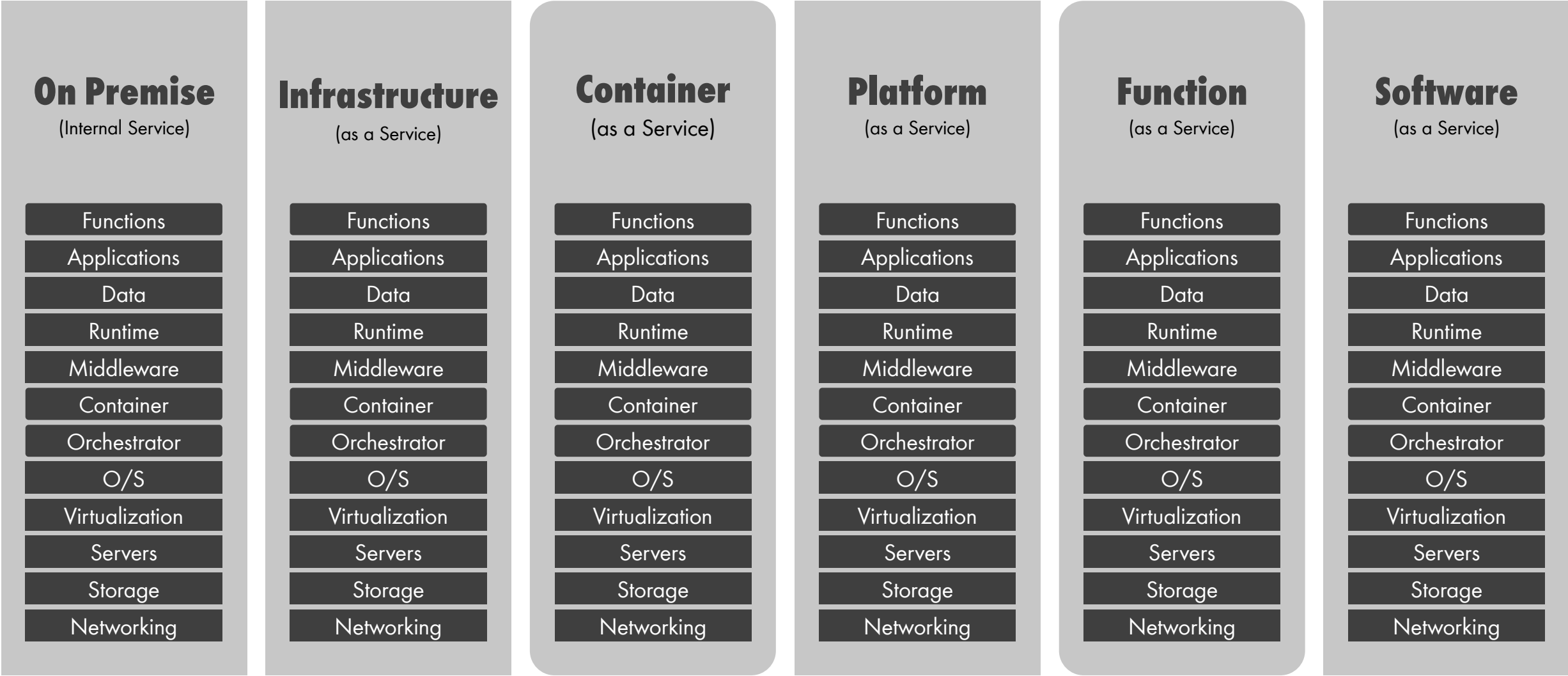
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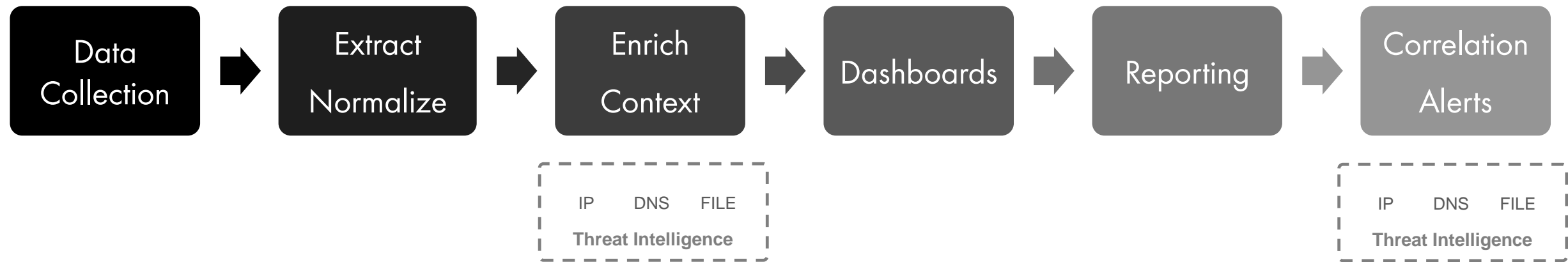


Network Digital360 - Events

- The term **Security Information Event Management (SIEM)**, coined by Mark Nicolett and Amrit Williams of Gartner in 2005.
- Describes the product capabilities of
 - **gathering, analyzing and presenting** information from network and security devices
 - identity and access management applications
 - vulnerability management and policy compliance tools
 - operating system, database and application logs
 - ...and external threat data.
- SIEM is a term for software and products services combining security information management (SIM) and security event manager (SEM).
 - The acronyms SEM, SIM and SIEM have been sometimes used interchangeably.
 - The segment of security management that deals with real-time monitoring, correlation of events, notifications and console views is commonly known as Security Event Management (SEM).
 - The second area provides long-term storage, analysis and reporting of log data and is known as Security Information Management (SIM).

Domain	Data sources	Timing	Collector
Network	Pcap, netflow, ipfix, DPI	Real time packet processing	nProbe, n2disk, Packetbeats, Logstash
Host	Syslog, system state	Real time, Asynchronous	Safed, Auditbeats, Logstash, Winlogbeats
Database	JDBC, File export	Real time, Asynchronous	Safed, Logstash
Application	Logs	Real time, Event based	Beats, Logstash
Cloud	Logs, API	Real-time, Event based	Beats, Logstash
Container	Logs, eBPF	Real time packet processing	nProbe, Logstash



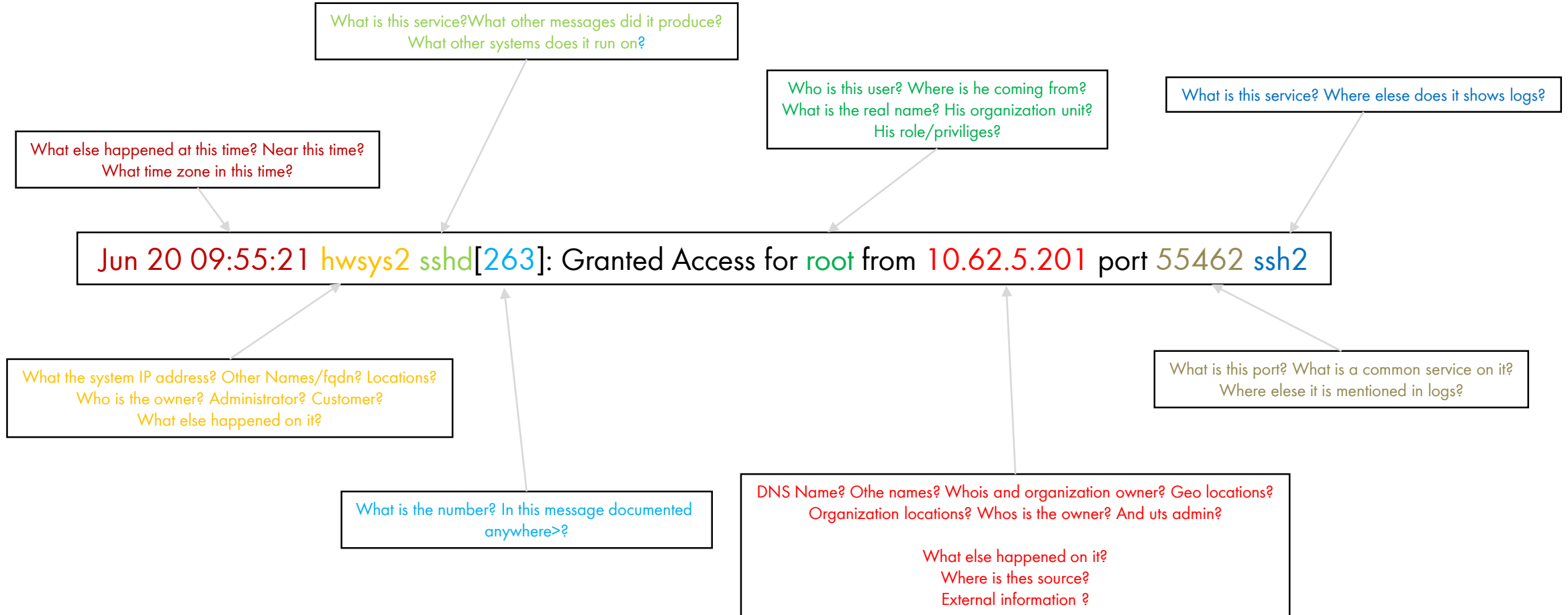


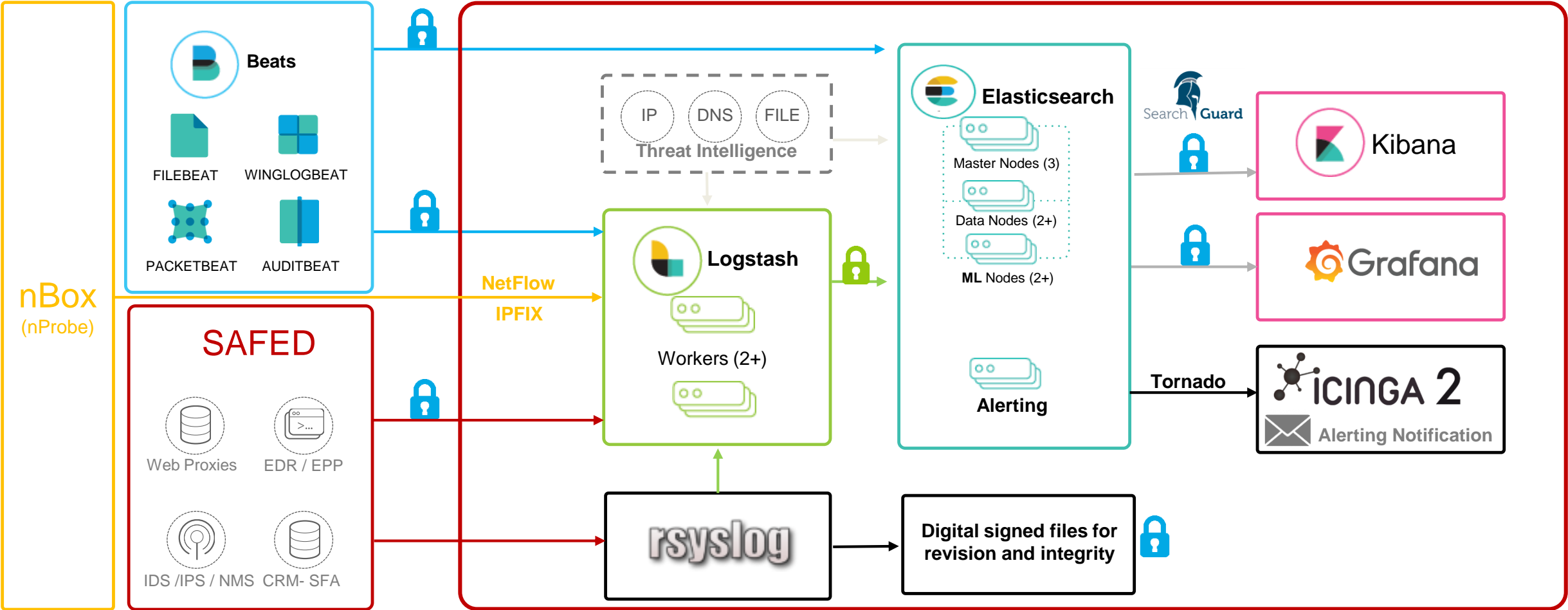
Examples of context

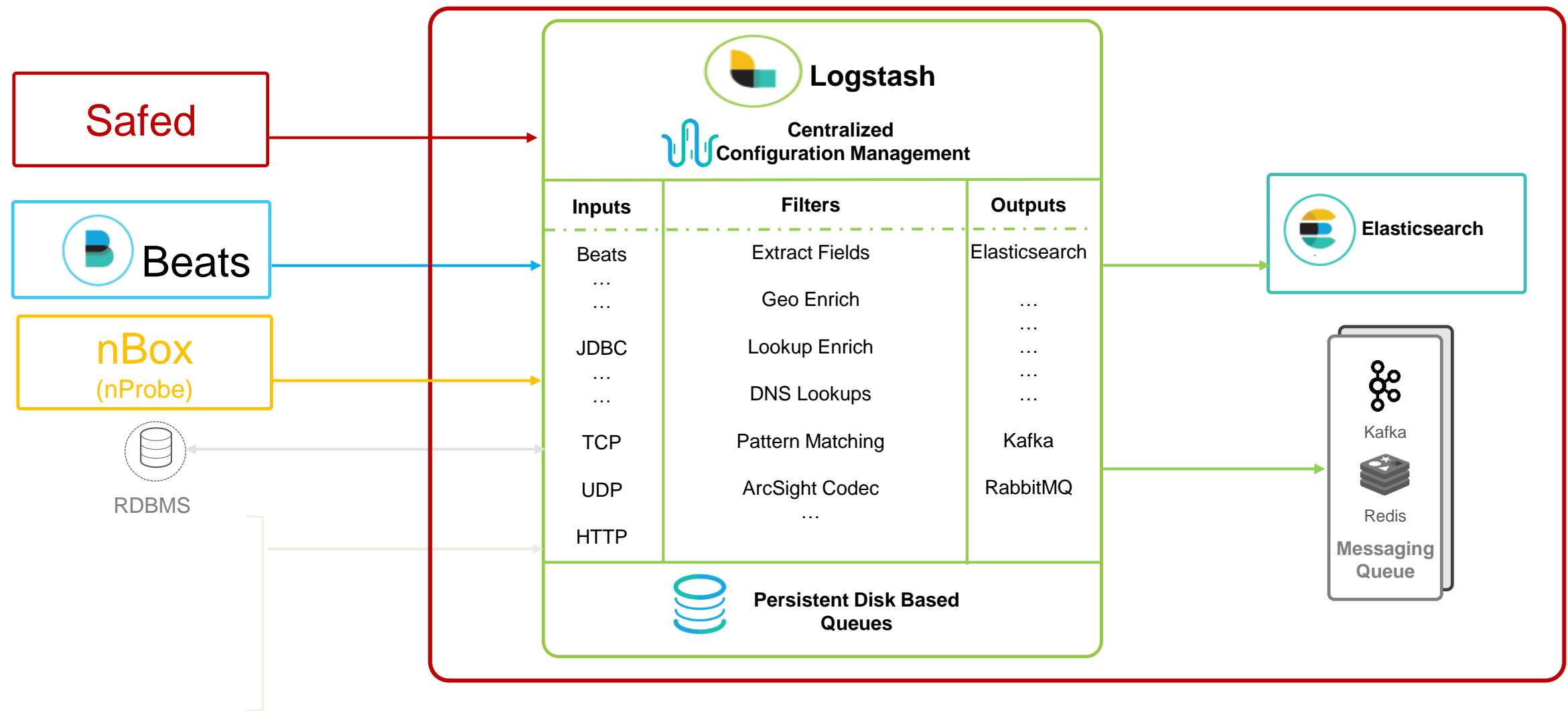
- Add geo-location information
- Get information from DNS, Thread Intelligence
- Get User details (Department, Policy)

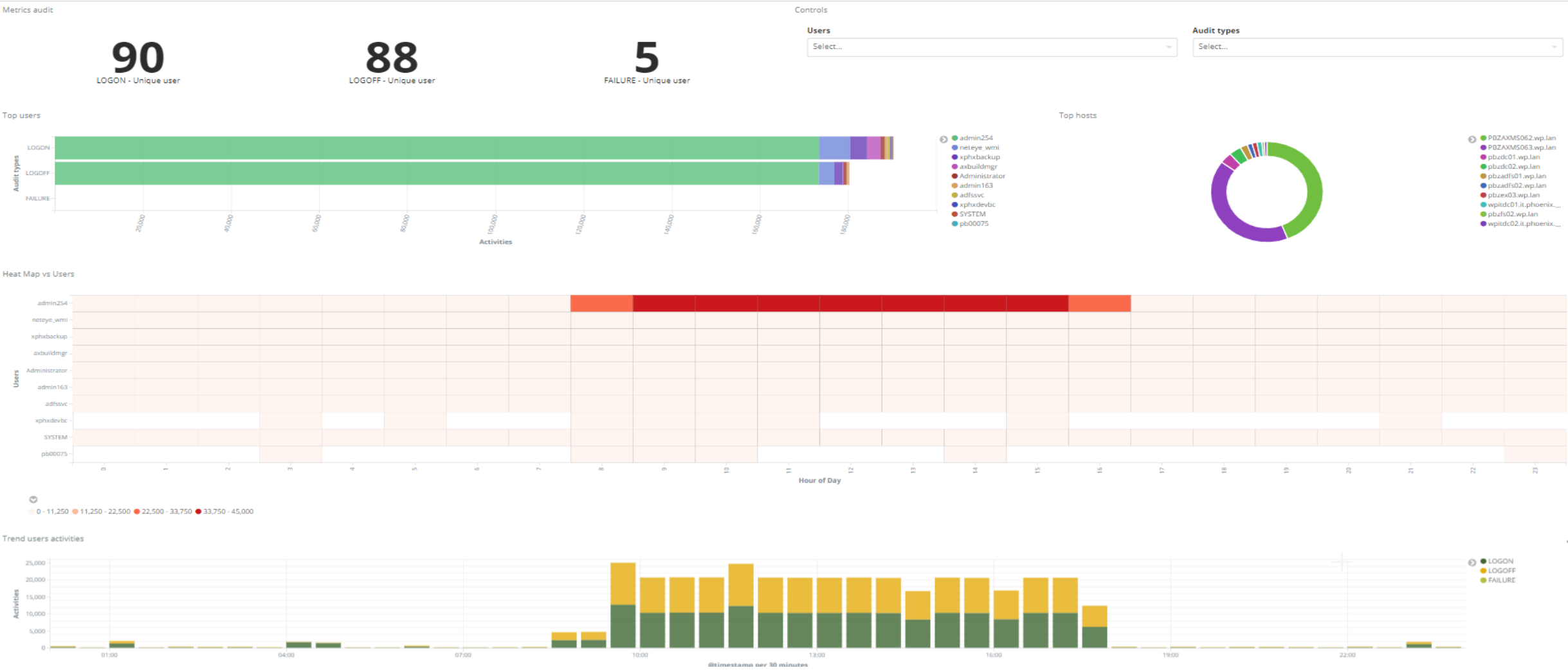
Add context aids in identifying

- Access from foreign locations
- Suspect data transfer (location, volume,...)
- Suspect network activities









Lack of Planning

- No defined scope

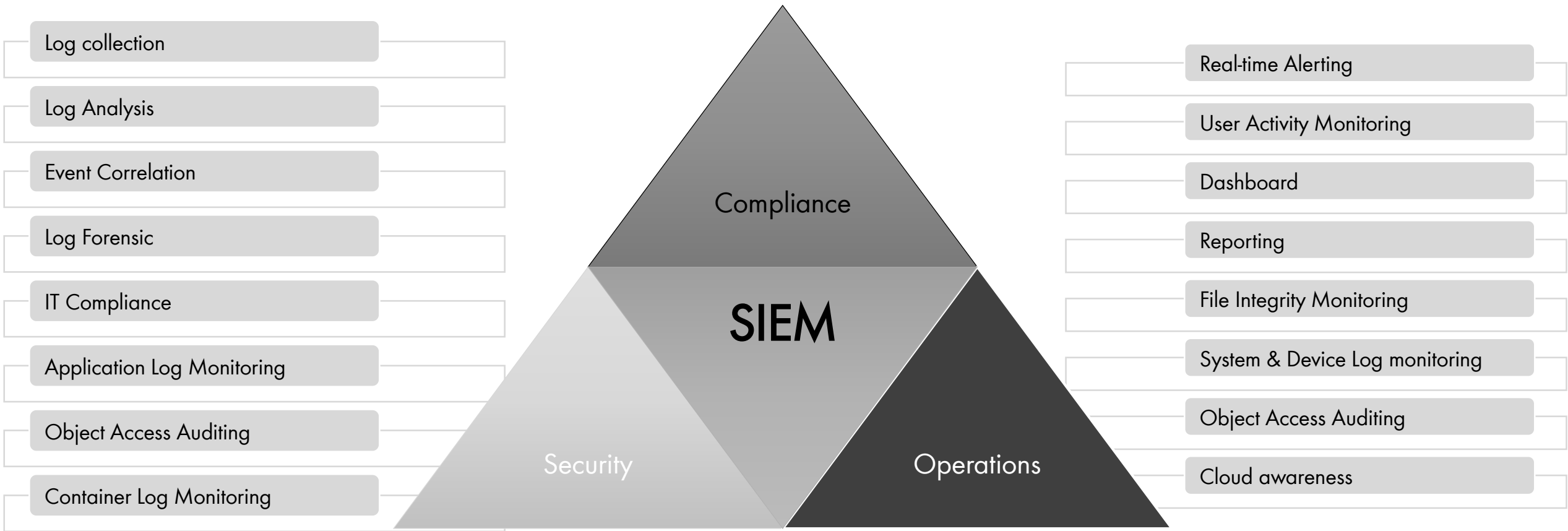
Faulty Deployment Strategies

- Incoherent log management data collection
- High volume of irrelevant data can overload the system

Operational

- Lack of management oversight
- Assume plug and play

"Security is a process, not a product"



MONITORING – VISIBILITY - OBSERVABILITY

UNIFIED MONITORING AVAILABILITY SERVICE LEVEL MANAGEMENT



- ◆ Unified Monitoring
- ◆ Business Service Monitoring
- ◆ Distributed Monitoring
- ◆ IoT - IIoT Monitoring
- ◆ Asset Management
- ◆ Web Service Monitoring

IT OPERATION ANALYTICS APM END2END



- ◆ Visual Synthetic Monitoring Alyvix
- ◆ User Experience
- ◆ IT Operation Analytics
- ◆ Application Performance Management
- ◆ Anomaly Detection
- ◆ Forecasting - Prediction
- ◆ Machine Learning

GDPR – SECURITY LOG MANAGEMENT SIEM



- ◆ Log Management
- ◆ Log Analytics
- ◆ SIEM
- ◆ Machine Learning

SERVICE & SUPPORT SERVICE MANAGEMENT TICKETING



- ◆ EriZone - Service Management
- ◆ EriZone - CMDB
- ◆ EriZone - ITIL
- ◆ NetEye HelpDesk

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