

Cyber-MAR Pilot 3

Cyber Range Modules: L-ADS & XL-SIEM

ATOS

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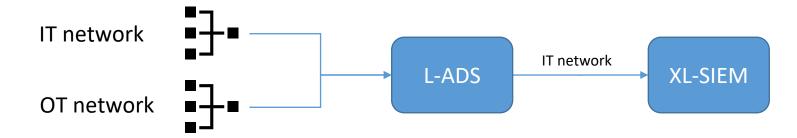
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L-ADS



- Monitors and capture the network traffic in real-time
- Detects anomalies in the network using a Deep Learning algorithm
- The algorithm was trained using legit traffic
- Two instances deployed for improving the accuracy:
 - IT Network
 - OT Network
- Detected anomalies are sent to the XL-SIEM through Rsyslog

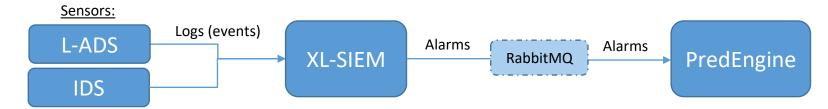




XL-SIEM



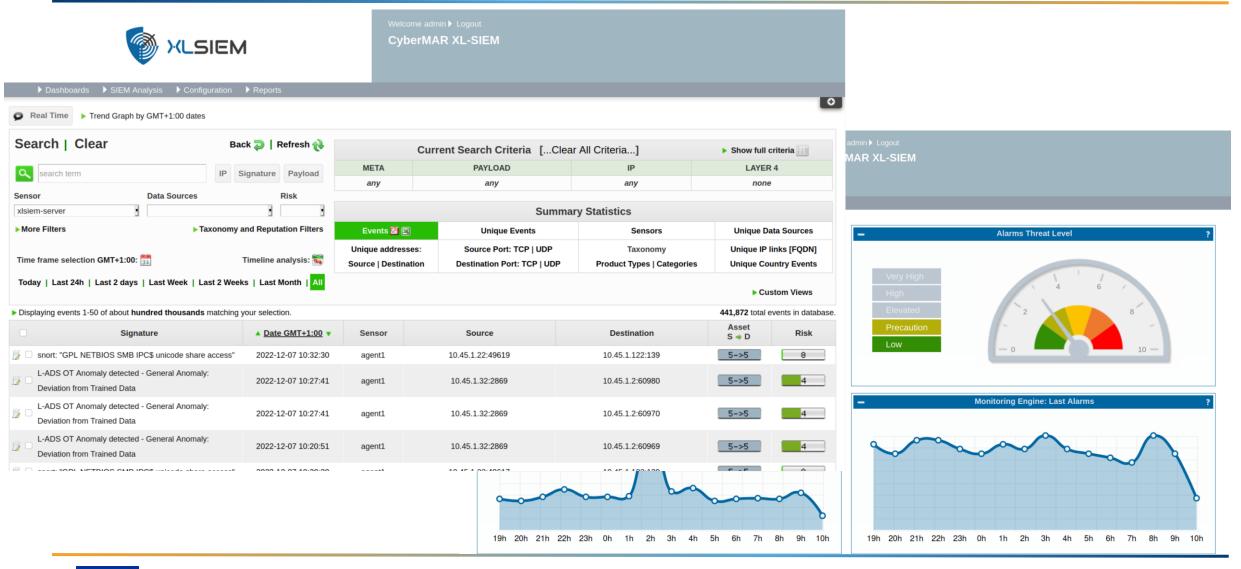
- Security information and event management system
- Logs received from different data sources are normalized into Events:
 - IDS (+HIDS)
 - L-ADS
- Correlation engine -> uses custom correlation rules -> generate Alarms:
 - Correlates sequences of Events / Alarms (cross-correlation)
- Alarms & Events are presented in the XL-SIEM GUI
- Alarms are forwarded to Prediction Engine through RabbitMQ
- XL-SIEM API for orchestration (stop, start and clean the services)





XL-SIEM







XL-SIEM



