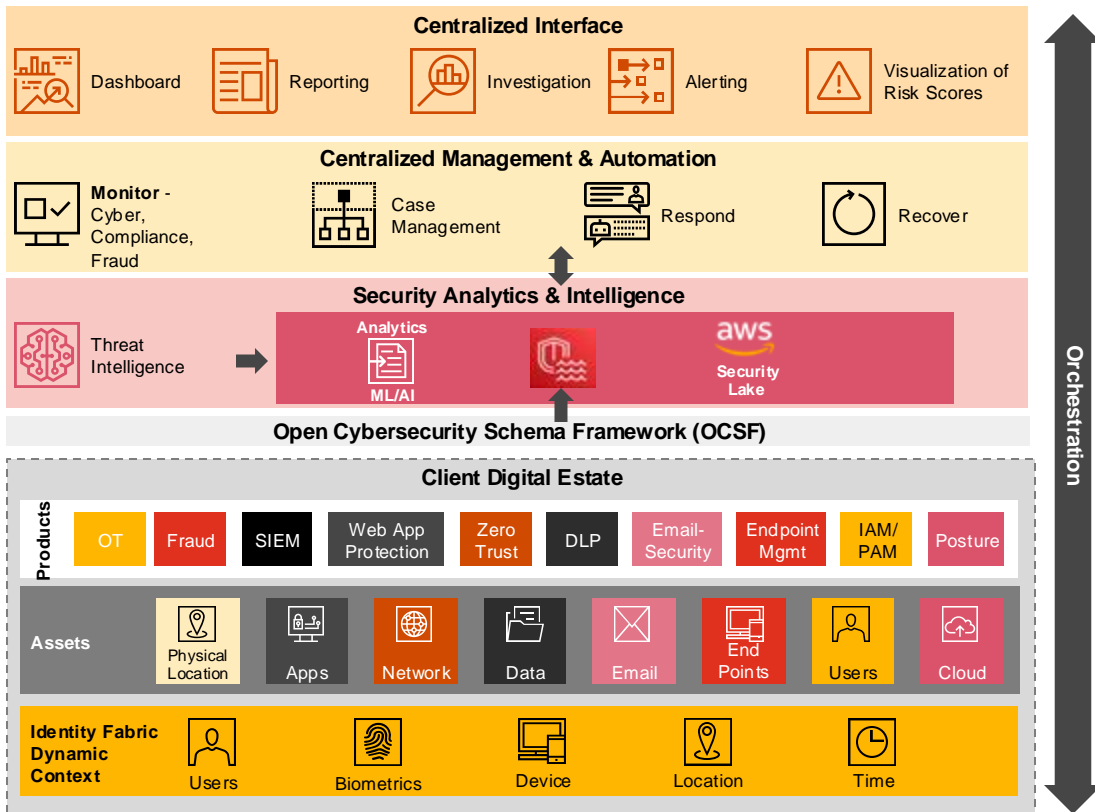# The cyber analytics platform becomes reality

What is the cyber analytics platform?

The cyber analytics platform is a cutting edge customizable and scalable architecture composed of multiple layers that work together to connect, secure, and safeguard an organization's environment. This architecture can provide an organization the ability to leverage the capabilities of AWS security lake to monitor, respond, and recover from cyber, compliance, and fraud events in a more effective and efficient manner harnessing the power of AI/ML.

What are the benefits of this platform?

Discover	Application of threat intelligence data and artificial intelligence to the digital estate, enabling the identification of known or potential threats
Monitor	Fused data provides the ability for the cyber, fraud, compliance, controls teams to seamlessly collaborate, enhance communication
Respond	Use of modern technology (Amazon Security Lake, ML, AI) to provide greater abilities to help prevent or detect malicious activity and focus efforts on value added activities
Recover	Utilize the power of the cloud to implement self - healing recovery principles to help reduce disruption

Centralized Interface
Dashboard · Reporting · Investigation · Alerting · Visualization of Risk Scores

Centralized Management & Automation
Monitor - Cyber, Compliance, Fraud · Case Management · Respond · Recover

Security Analytics & Intelligence
Threat Intelligence · Analytics · ML/AI · aws Security Lake

Open Cybersecurity Schema Framework (OCSF)

Client Digital Estate

Products: OT · Fraud · SIEM · Web App Protection · Zero Trust · DLP · Email-Security · Endpoint Mgmt · IAM/PAM · Posture

Assets: Physical Location · Apps · Network · Data · Email · End Points · Users · Cloud

Identity Fabric Dynamic Context: Users · Biometrics · Device · Location · Time

Orchestration

Reimagining analytics platforms

Why PwC

PwC's Cyber, Risk, and Regulatory practice brings knowledge and expertise to aid clients in implementing the cyber analytics platform to meet their individual needs. Built on AWS, the platform provides the ability to combine data from a variety of sources to create a centralized, near real-time view. The dashboard features visualizations, drill-down capabilities, and automated workflows, enabling teams to quickly identify, investigate, and respond to potential risks posed by the ever evolving threat actors.

Evolving & modernizing analytics platforms

From this

Disparate Data
Where disparate data sources and platforms result in increased manual workloads for security, compliance, and fraud analysts to collect and analyze data.

Operational inefficiencies
There are opportunities for the cyber, compliance, and fraud teams to collaborate and share data to improve prevention and detection of malicious activities and reduce false positives.

Voluminous & Outdated technology
Many companies have numerous cyber security tools and fraud solutions in their environment that need to evolve to keep pace with the sophistication of the threat actors.

To this

Fused visibility
Cyber, compliance, controls, and fraud data fused together, in a single pane of glass, to enhance ability to help prevent or detect malicious activity and reduce false positives.

Rapid Response and Recovery
The cyber analytics platform provides the ability for the cyber, fraud, compliance, controls teams to seamlessly collaborate, enhance communication, and reduce swivel chair activities to enable real-time response and recovery.

Advanced Technology
Use of modern technology (Amazon Security Lake, ML, AI) to provide greater abilities to help prevent or detect malicious activity and focus efforts on value added activities. The technology advances can also provide the opportunity to implement auto response and "self healing" capabilities.

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