

Nigerian Petroleum Security Monitoring

Nigerian energy company NPDC selected Assuria's ALM-SIEM and DataSense platforms to implement a comprehensive security monitoring solution that met their stringent security and compliance requirements.

ENVIRONMENT

On Premise

COVERAGE

NPDC and regional offices

ARCHITECTURE

NPDC resilient deployment across main data centre and backup

The Challenge

NPDC also required a solution that was intuitive to operate and flexible enough to allow the creation of custom dashboards and visualisations for senior leadership. Equally important was the ability to securely collect, store, and analyse logs from a diverse range of technologies in a resilient and robust manner.

To meet these expectations, NPDC sought a security data management and analytics platform capable of seamlessly onboarding new data sources, supporting custom analytics rules, generating tailored alerts, and delivering rich, role-specific dashboards. The solution also needed to monitor a broad ecosystem of technologies, including OpenBSD, Cisco devices, VMware, Exchange, SharePoint, and BitDefender.

The Solution

A critical requirement was ensuring that log data could never be lost or altered without generating an immediate alert. During every security incident, NPDC needed clear, reliable answers to essential investigative questions: what happened, when it occurred, where it took place, who was involved, what systems were affected, and where the event originated.

Assuria's Security Data Platform was deployed across a resilient, multi-site architecture spanning NPDC's data centres to ensure high availability and operational continuity. The platform also ingested vulnerability scanning results from OpenVAS, enabling NPDC to identify, prioritise, and remediate security weaknesses across their environment.

Outcomes

The final implementation collected logs from more than 80 SIEM agents deployed across both virtual and physical infrastructure, ingesting over 60GB of log data per day while maintaining strong performance, scalability, and security.